By Monday

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SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Nitin Patel Examiner #: 77349 Date: 8-25
Art Unit: 2673 Phone Number 308-7024 Serial Number: 10/057
~~Mail Box~~ Location: PK-2 6C02 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searcl
Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the conce
utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc
known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Transmissia of digital data.

Inventors (please provide full names): _____

Earliest Priority Filing Date: 01/22/01.

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along wit*
appropriate serial number.

Try to Get synonms for dither Pattern

Digital data.

Screen → Act as a transmitter

2nd representation

8-27-04 2 w/n

****

STAFF USE ONLY

Searcher: Patel Samir
Searcher Phone #: 306-0254
Searcher Location: @ PK2-3603
Date Searcher Picked Up: 2:00 P.M 08/27
Date Completed: 3:50 P.M 08/30
Searcher Prep & Review Time: 350
Clerical Prep Time: 122
Online Time: _____

Type of Search

NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) _____
Bibliographic ✓
Litigation _____
Fulltext ✓
Patent Family _____
Other _____

Vendors and cost where applicable

STN _____
Dialog ✓
Questel/Orbit _____
Dr.Link _____
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Sequence Systems _____
WWW/Internet _____
Other (specify) _____

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         (c) 2004 Pira International

Set     Items   Description
S1    1822127   FLATSCREEN? OR LCD?? OR (LIQUID??(2N)DISPLAY??) OR PLASMA??
              OR (FLAT(2N)(TV? ? OR TELEVISION?? OR MONITOR? ? OR COMPUTER?
              ? OR SCREEN?? OR PANEL??)) OR FLATPANEL??
S2       1455   (OLED?? OR BACKLIT??)(2N)(SCREEN?? OR DISPLAY?? OR MONITOR-
             ?? OR COMPUTER??)
S3    5939909   TV? ? OR TELEVISION?? OR MONITOR? ? OR COMPUTER? ? OR DISP-
             LAY?? OR CRT?? OR SCREEN??
S4       6714   DITHER???
S5      13885   HALF()TONING OR HALFTONING OR HALF()TONE? ? OR HALFTONE? ?
S6    2100907   PATTERN????
S7        626   (REPRESENT??? OR SHOW??? OR PRESENT????? OR IMAGING?? OR D-
             ISPLAYING?? OR VISUALI???? OR RENDER??? OR ILLUSTRAT??? OR VI-
             EW???)(5N)S4
S8       1116   (REPRESENT??? OR SHOW??? OR PRESENT????? OR IMAGING?? OR D-
             ISPLAYING?? OR VISUALI???? OR RENDER??? OR ILLUSTRAT??? OR VI-
             EW???)(5N)S5
S9     182534   (TRANSMIT???? OR SEND??? OR TRANSFER???)(3N)(DATA?? OR INF-
             ORMATION?? OR FILE?? OR SOFTWAR?? OR RECORD?? OR CODE?? OR IM-
             AG??)
S10      4725   (FIRST?? OR INITIAL??)(2N)(REPRESENTATION??)
S11      2714   (SECOND?? OR 2ND?? OR SUBSEQUENT??)(2N)(REPRESENTATION??)
S12         0   AU=(BEN()DAVID G? OR BEN()DAVID, G?)
S13   1822889   S1 OR S2
S14       197   S13 AND S4
```

S15	21	S14 AND S7
S16	13	RD (unique items)
S17	248	S13 AND S5
S18	19	S17 AND S8
S19	13	RD (unique items)
S20	13	S19 NOT S16
S21	0	S14 AND S9
S22	7	S17 AND S9
S23	7	RD (unique items)
S24	7	S23 NOT (S16 OR S18)
S25	5	S14 AND (TRANSMIT???? OR SEND??? OR TRANSFER???)
S26	4	RD (unique items)
S27	4	S26 NOT (S16 OR S19 OR S22)
S28	14	S17 AND (TRANSMIT???? OR SEND??? OR TRANSFER???)
S29	7	S28 NOT S22
S30	7	RD (unique items)
S31	7	S30 NOT (S16 OR S19 OR S22)
S32	1637	S3 AND S4
S33	167	S3 AND S7
S34	8	S33 AND S9
S35	5	RD (unique items)
S36	5	S35 NOT (S16 OR S19 OR S22 OR S27)
S37	487	S3 AND S8
S38	6	S37 AND S9
S39	5	RD (unique items)
S40	5	S39 NOT (S16 OR S19 OR S22 OR S27 OR S36)
S41	1	(S4 OR S5) AND (S10 OR S11)

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File  35:Dissertation Abs Online 1861-2004/Jul
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         (c) 2004 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Jul
         (c) 2004 The HW Wilson Co.
File 144:Pascal 1973-2004/Aug W4
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File 248:PIRA 1975-2004/Aug W3
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Set     Items   Description
S1         40   AU=(BEN-DAVID G? OR BEN-DAVID, G?)
S2          0   S1 AND (DITHER? OR HALF()TONING OR HALFTONING OR HALF()TON-
              E? ? OR HALFTONE? ?)
```

16/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

4751864 INSPEC Abstract Number: B9410-7630-027, C9410-7460-024
Title: Extending AMLCD technology into the Space Shuttle cockpit
Author(s): Thomsen, S.V.; Hancock, W.R.
Author Affiliation: Satellite Syst. Operation, Honeywell Inc., Glendale, AZ, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.2219 p.118-29
Publication Date: 1994 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
U.S. Copyright Clearance Center Code: 0 8194 1523 5/94/$6.00
Conference Title: Cockpit Displays
Conference Sponsor: SPIE
Conference Date: 7-8 April 1994 Conference Location: Orlando, FL, USA
Language: English
Subfile: B C

Abstract: A challenging and exciting program is underway to develop an active matrix **liquid** crystal **display** (RMLCD) for the National Aeronautics and Space Administration (NASA)-Rockwell Space Shuttle cockpit upgrade. The...
... improves overall system reliability, replacing multiple electromechanical and obsolete cathode ray tubes (CRT) with 11 **flat** - **panel** displays. The new multifunction display unit (MDU) is designed to survive the harsh environments of...

... MDU performs a two-to-one expansion of incoming video to fill the display and **dithers** the image for high-quality **viewing** . The unit is a very compact design, minimizing volume, weight, and power. Honeywell's advanced...
...Descriptors: **flat** **panel** displays...

... **liquid** crystal **displays** ;
...Identifiers: active matrix **liquid** crystal **display** ; ...

... **flat** - **panel** displays

16/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

4611376 INSPEC Abstract Number: A9407-5225F-008
Title: Dynamic behavior of the L-H transition
Author(s): Zohm, H.
Author Affiliation: Max-Planck-Inst. fur Plasmaphysik, EURATOM-Assoc., Garching, Germany
Journal: Physical Review Letters vol.72, no.2 p.222-5
Publication Date: 10 Jan. 1994 Country of Publication: USA
CODEN: PRLTAO ISSN: 0031-9007
U.S. Copyright Clearance Center Code: 0031-9007/94/72(2)/222(4)$06.00
Language: English
Subfile: A

...Abstract: Upgrade tokamak is described. We focus on the periodic L-H-L transitions known as ' **dithering** H mode' and **show** that there is an intrinsic time scale in this process which is characteristic for the...

... bifurcation model can qualitatively explain many of the experimental observations. According to our model, the **dithering** cycles are a limit cycle oscillation due to a difference in the response of the...
Descriptors: **plasma** toroidal confinement...

... **plasma** transport processes...

... **plasma** waves
...Identifiers: **dithering** H mode

16/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03250636 INSPEC Abstract Number: B88074537
Title: Displaying **images by** dither **method and evaluation**
Author(s): Hara, H.
Journal: Research Bulletin of the Hiroshima Institute of Technology vol.22, no.26 p.159-70
Publication Date: March 1988 Country of Publication: Japan
CODEN: HKDKDR ISSN: 0385-1672
Language: Japanese
Subfile: B

Title: Displaying **images by** dither **method and evaluation**
...Abstract: devices which permit the digital signal to be operated directly have been investigated. An AC **plasma display** , and a **liquid** crystal **display** panel have been developed as bi-level display devices. In these the display cells are either fully energized (ON) or fully de-energized (OFF). **Displaying** a gray scale with **dither** method attains a practical level in a bi-level display. Recently applications to a multi ...

... quality of the gray scale pictures to develop by using bi-level and multi-level **dither** methods. A subjective evaluation of three methods is presented: rank analysis, paired comparison, and SD...
...Descriptors: **liquid** crystal **displays**
...Identifiers: AC **plasma** display...

... **liquid** crystal **display** panel...

... **dither** method

16/3,K/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03071953 INSPEC Abstract Number: B88016295
Title: Animated image display by AC plasma **display panel**
Author(s): Hamada, T.; Kaneko, Y.; Soda, H.; Sugimachi, N.; Yoshida, Y.
Journal: Reports of the Faculty of Science and Engineering, Saga University vol.16, no.1 p.63-70

Publication Date: Aug. 1987 Country of Publication: Japan
CODEN: RFSSDV ISSN: 0385-6186
Language: Japanese
Subfile: B

Title: Animated image display by AC plasma **display panel**
Abstract: Various kinds of bi-level display device such as AC-PDP (**plasma display** panel) and **liquid** crystal **display** panel, etc. have been developed. The authors produced an animated image system which has three tones using **Dither** technique and time modulation. They **present** the results of animated image on AC-PDP.
Descriptors: **flat panel** displays...

... **liquid** crystal **displays**
Identifiers: AC **plasma** display panel...
... **Dither** technique

16/3,K/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02691323 INSPEC Abstract Number: B86044172
Title: Color display by dither **method using emphasis of half tone**
Author(s): Hara, H.; Nakano, Y.; Tanaka, M.; Yoshida, Y.; Owaki, K.
Author Affiliation: Hiroshima Inst. of Technol., Japan
Journal: Journal of the Institute of Television Engineers of Japan vol.39, no.9 p.806-12
Publication Date: Sept. 1985 Country of Publication: Japan
CODEN: JITJA7 ISSN: 0386-6831
Language: Japanese
Subfile: B

Title: Color display by dither **method using emphasis of half tone**
...Abstract: display which can use directly the digital signal for image display and transmission. The binary **display** such as **liquid** crystal, AC **plasma** display panel, etc. can represent only the state of 'on' or 'off' for each cell...

...the half tone by specifying the threshold value to improve image quality using the systematical **dither** method as the method of **displaying** variable density images with the binary display, and make quantitative analysis and comparisons, and further...
...a result, image quality could be improved as compared to the case of the existing **dither** method.
Identifiers: **dither** method...

...AC **plasma** display panel...

16/3,K/6 (Item 6 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

00827491 INSPEC Abstract Number: B75041952
Title: Video imaging on the plasma **display panel**
Author(s): White, A.B.
Issued by: Univ. Illinois, Urbana, IL, USA

Publication Date: April 1975 Country of Publication: USA 83 pp.
Report Number: R-677
Language: English
Subfile: B C

Title: Video imaging on the plasma **display panel**
Abstract: The **plasma** display panel is a versatile bi-level device capable of combining alpha-numerics and graphics...

... been suggested to allow gray scale graphics generation on the panel, among them being ordered **dither** . A review of various gray scale methods and the advantages of ordered **dither** as a universal algorithm are **presented** . The design considerations, operation, and results of a low cost, ordered **dither** interface to realize 65 levels of intensity with a CCTV vidicon camera on a 16...
Identifiers: **plasma** display panel...

...ordered **dither** ;

16/3,K/7 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS
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1871390 NTIS Accession Number: DE94798520
Dynamic behaviour of the L-H transition in ASDEX-Upgrade
Zohm, H.
Max-Planck-Inst. fuer Plasmaphysik, Garching (Germany, F.R.).
Corp. Source Codes: 066759000; 4027500
Report No.: IPP-1/276
Sep 93 13p
Languages: English
Journal Announcement: GRAI9513; NSA1900
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NTIS Prices: PC A03/MF A01

...ASDEX-Upgrade is described. We focus on the periodic L-H-L transitions known as ' **dithering** H-mode' and **show** that there is an intrinsic timescale in this process which is characteristic for the L...

... bifurcation model can qualitatively explain many of the experimental observations. According to our model, the **dithering** cycles are a limit cycle oscillation due to a difference in the response of the...
Descriptors: Tokamak Devices; Bifurcation; Dynamics; **Plasma** Confinement ; **Plasma** Simulation

16/3,K/8 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

06909294 E.I. No: EIP04268229529
Title: Synchronization of L-mode to H-mode transitions on the sawtooth cycle in Ohmic TCV plasmas
Author: Martin, Y.R.

Corporate Source: Ctr. de Rech. en Phys. des Plasmas Assoc. Euratom-Confed. Suisse Ecl. Polytech. Federale de Lausanne, CH-1015 Lausanne, Switzerland
Source: Plasma Physics and Controlled Fusion v 46 n 5 SUPPL. A May 2004. p A77-A85
Publication Year: 2004
CODEN: PLPHBZ ISSN: 0741-3335
Language: English

Title: Synchronization of L-mode to H-mode transitions on the sawtooth cycle in Ohmic TCV plasmas
Abstract: L-mode to H-mode transitions (LH transitions) are obtained in a wide range of **plasma** parameters in TCV Ohmic discharges. LH transitions either occur directly, indicated by a single abrupt drop in D//alpha emission, or **present** an intermediate ' **dithering** ' phase before the H-mode state is attained, in which D//alpha emission shows rapid... ...between L-mode and H-mode levels. The type of transition, with or without a **dithering** phase, depends on the **plasma** current and **plasma** triangularity. It is less sensitive to **plasma** density and divertor geometry. The relative direction of the ion VB drift also plays a...

...during a sawtooth crash has a transit time from the q = 1 surface to the **plasma** edge, which is much shorter than the time delay between the sawtooth crash and the...
Descriptors: **Plasma** theory; Electric discharges; Synchronization; Electron transitions; Pressure effects; Database systems; Statistical methods

16/3,K/9 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

00620270 E.I. Monthly No: EI7705032418 E.I. Yearly No: EI77041593
Title: ANIMATED DITHER **IMAGES ON THE AC** PLASMA **PANEL.**
Author: White, Andrew B.; Johnson, Roger L.; Judice, Charles N.
Corporate Source: Univ of Ill, Urbana
Source: Conf Rec of Bienn Disp Conf, Pap, New York, NY, Oct 12-14 1976 Publ by IEEE (Cat n 76 CH1124-7 ED), New York, NY, 1976 p 35-37
Publication Year: 1976
Language: ENGLISH

Title: ANIMATED DITHER **IMAGES ON THE AC** PLASMA **PANEL.**
Abstract: Buffer controlled hysteretic **dither** thresholding makes possible the **presentation** of animation sequences on slow update rate bi-level display devices. The imaging system described herein is a hardware realization of such a system using an ac **plasma** panel as a display device because of its inherent memory and selective write/erase capability...

...be employed to reduce the amount of data, and hence the bandwidth, necessary to reproduce **dither** animation. 7 refs.
Descriptors: IMAGE PROCESSING; DISPLAY DEVICES; **PLASMA** DEVICES

16/3,K/10 (Item 3 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

00553954 E.I. Monthly No: EI7607044416 E.I. Yearly No: EI76019443
Title: BI-LEVEL RENDITION OF CONTINUOUS-TONE PICTURES ON AN AC PLASMA **PANEL.**
Author: Judice, C. N.; Jarvis, J. F.; Ninke, W. H.
Corporate Source: Bell Teleph Lab, Holmdel, NJ
Source: Conf on Disp Devices and Syst, Conf Rec, New York, NY, Oct 9-19 1974 p 89-98. Publ by IEEE (Cat n 74CHO892-0 ED), New York, NY, 1975
Publication Year: 1974
Language: ENGLISH

Title: BI-LEVEL RENDITION OF CONTINUOUS-TONE PICTURES ON AN AC PLASMA **PANEL.**
Abstract: A simple method of processing continuous tone still pictures for display on an AC **plasma** panel or other bi-level display is described. The method, called ordered **dither** , consists of comparing a multibit digitized image signal with an image-position-dependent set of...

...tone is achieved through the appropriate spatial density of on and off cells. The authors **present** numerous examples of **dither** processing and discuss the effects of various processing parameters. 12 refs.
Identifiers: AC **PLASMA** DISPLAY PANELS

16/3,K/11 (Item 1 from file: 94)

01172242 JICST ACCESSION NUMBER: 90A0520879 FILE SEGMENT: JICST-E
Dither **and smoothing technique for** displaying **animated images on AC-PDP.**
KOYANAGI TOSHINORI (1); SUGIMACHI NOBUYUKI (1); HAYASHIDA YUKUO (1); YOSHIDA YOSHINORI (1)
(1) Saga Univ., Faculty of Science and Engineering
Denshi Joho Tsushin Gakkai Zenkoku Taikai Koen Ronbunshu(Spring National Convention Record, the Institute of Electronics, Information and Communication Engineers), 1990, VOL.1990,NO.Spring Pt.7, PAGE.7.109, FIG.3, REF.1
JOURNAL NUMBER: G0508ADY
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Conference Proceeding
ARTICLE TYPE: Short Communication
MEDIA TYPE: Printed Publication

Dither **and smoothing technique for** displaying **animated images on AC-PDP.**
DESCRIPTORS: **plasma** display...

16/3,K/12 (Item 2 from file: 94)

00725443 JICST ACCESSION NUMBER: 89A0396124 FILE SEGMENT: JICST-E
Ordered dither **method by using threshold-shifted matrices for color image.**
ABE SHINGO (1); SUGIMACHI NOBUYUKI (1); HAYASHIDA YUKUO (1); YOSHIDA YOSHINORI (1); HARA HAJIME (2)

(1) Saga Univ., Faculty of Science and Engineering; (2) Hiroshima Inst. of Technology
Saga Daigaku Riko Gakubu Shuho(Reports of the Faculty of Science and Engineering, Saga University), 1989, VOL.17,NO.2, PAGE.97-103, FIG.4, TBL.6, REF.5
JOURNAL NUMBER: G0861AAT ISSN NO: 0385-6186
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Ordered dither **method by using threshold-shifted matrices for color image.**
ABSTRACT: Display devices such a **Plasma** display panel (PDP) and a **Liquid** crystal **display** panel have been studied as an alternative of the Cathod ray tube (CRT). The **dither** method is a technique to display pseudo-gray tone video images for these bi-level or multi-level devices. The ordered **dither** method is easy for implementing the logical circuit and is suitable for displaying the image...

...techniques for the color image are proposed in this paper and the methods of composing **dither** matrix are examined. It is **shown** by a simulation that the quality of color image processed by the proposed technique is...

16/3,K/13 (Item 3 from file: 94)
DIALOG(R)File 94:JICST-EPlus

00170056 JICST ACCESSION NUMBER: 86A0018712 FILE SEGMENT: JICST-E
Color display by dithe method using emphasis of hafe tone.
HARA HAJIME (1); OWAKI KEN-ICHI (1); NAKANO YOSHITAKA (2); TANAKA MASSAHIKO (3); YOSHIDA YOSHINORI (4)
(1) Hiroshima Inst. of Technology; (2) NEC Corp., Transmission Div.; (3) Toshiba Corp., Res. and Development Center; (4)Saga Univ., Faculty of Science and Engineering
Terebijon Gakkaishi(Journal of the Institute of Television Engineers of Japan), 1985, VOL.39,NO.9, PAGE.806-812, FIG.6, TBL.1, REF.14
JOURNAL NUMBER: F0330ABG ISSN NO: 0386-6831
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

...ABSTRACT: of display devices have been researched to replace the CRT. Among these devices, an AC **Plasma** Display Panel and a **Liquid**0 Crystal **Display** Panel, etc. have been developed as bi-level display devices. The display of half-tone...
...picture quality is improved. This paper clarifies the meaning of bi-level and multi-level **dither** , and **presents** the results of color images and multi-level **dither** . In consequence, by quantitative estimation, desirable images which have excellent visual characteristics regardless of bi...
...DESCRIPTORS: **plasma** display

20/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

5860320 INSPEC Abstract Number: B9804-7260-021
Title: Development of wide- viewing **-angle TFT-** LCDs **using** halftone **gray-scale method**
Author(s): Ugai, Y.; Inada, T.; Nakagawa, T.; Aoki, S.
Author Affiliation: Res. & Dev. Center, Hosiden Corp., Kobe, Japan
Journal: Electronics and Communications in Japan, Part 2 (Electronics) vol.80, no.5 p.89-98
Publisher: Scripta Technica,
Publication Date: May 1997 Country of Publication: USA
CODEN: ECJEEJ ISSN: 8756-663X
SICI: 8756-663X(199705)80:5L.89:DWVA;1-G
Material Identity Number: K929-98001
U.S. Copyright Clearance Center Code: 8756-663X/97/050089-10
Language: English
Subfile: B

Title: Development of wide- viewing **-angle TFT-** LCDs **using** halftone **gray-scale method**
Abstract: We have developed wide **viewing** angle TFT- **LCDs** using the **halftone** gray scale (HTGS) method. Compared with conventional TN- **LCDs** , the viewing angle of HTGS TFT- **LCDs** is twice as wide in the vertical direction and is improved in the diagonal direction. The gray scale display response time of HTGS TFT- **LCDs** is also shorter by half compared with conventional TN- **LCDs** . We have studied the application of HTGS TFT- **LCDs** to passenger cabin entertainment use. In contrast to consumer use, environmental durability characteristics are required; however, the HTGS TFT- **LCDs** developed meet all of the requirements and have been used practically. This paper presents the...
...Descriptors: **flat panel** displays...

... **liquid** crystal **displays** ;
Identifiers: TFT- **LCDs** ; ...

... **halftone** gray-scale method...

...TN- **LCDs** ;

20/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

5340531 INSPEC Abstract Number: B9609-7260-092
Title: A proposal for defining maximum viewing angles of TFT- LCDs **based on subjective evaluation of picture quality**
Author(s): Shimodaira, Y.; Takahashi, M.; Muraoka, T.; Yamamoto, K.; Ishii, Y.; Matsuura, M.
Author Affiliation: Shizuoka Univ., Hamamatsu, Japan
Conference Title: 1994 SID International Symposium Digest of Technical Papers. SID p.337-40
Editor(s): Morreale, J.
Publisher: SID, Santa Ana, CA, USA

Publication Date: 1994 Country of Publication: USA xviii+996 pp.
Material Identity Number: XX94-01147
Conference Title: Proceedings of SID '94 Symposium
Conference Date: 14-16 June 1994 Conference Location: San Jose, CA, USA
Language: English
Subfile: B

Title: A proposal for defining maximum viewing angles of TFT- LCDs **based on subjective evaluation of picture quality**
Abstract: Subjective evaluation of picture quality was performed for defining the maximum viewing angles of **liquid** crystal picture **display** of thin-film transistor type from the viewpoint of displaying natural images. Gamma was pointed...

... important factor in defining the maximum viewing angle in addition to chromaticity change, contrast and **halftone** reversal images. Measured maximum **viewing** angles were 60.0 degrees in the horizontal direction and 19.5 degrees in the...
...Descriptors: **liquid** crystal **displays** ;
...Identifiers: TFT- **LCD** ;

20/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

04248233 INSPEC Abstract Number: B9211-7260-007
Title: Halftone **-grayscale method for** full-color LCD **offers wider viewing angle**
Author(s): Ugai, Y.; Inada, T.; Nakagawa, T.; Matsushita, Y.; Sunata, T.; Aoki, S.
Journal: Display Devices no.5 p.15-17
Publication Date: Spring 1992 Country of Publication: Japan
Language: English
Subfile: B

Title: Halftone **-grayscale method for full-color** LCD **offers wider viewing angle**
Abstract: As the screen size of **LCDs** grows, improvements in viewing angles increase in importance. Narrow viewing angle is a disadvantage of conventional **LCDs** . Hosiden Corporation has developed a 10-inch diagonal full-color active matrix **LCD** (AMLCD) using a **halftone** grayscale method for improving the **viewing** angle of the **LCD** . The display features a contrast ratio of 5:1 or more and a vertical viewing...

... Thus, the viewing angle has been substantially improved compared with the 45 degrees of conventional **LCD** and has favorably compared with the viewing angle of a CRT.
Descriptors: **liquid** crystal **displays**
Identifiers: **liquid** crystal **display** ; ...

...full-color **LCD** ; ...

...active matrix **LCD** ; ...

... **halftone** grayscale

20/3,K/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

03156515 INSPEC Abstract Number: B88041853
Title: Displaying half - tone **TV information on a thin-film electroluminescent** flat screen
Author(s): Ionov, N.P.; Kazakov, B.V.
Journal: Tekhnika Kino i Televideniya no.3 p.18-22
Publication Date: March 1988 Country of Publication: USSR
CODEN: TKTEAE ISSN: 0040-2249
Language: Russian
Subfile: B

Title: Displaying half - tone **TV information on a thin-film electroluminescent** flat screen
Abstract: Design and test results of **half - tone** TV information displays employing thin-film electroluminescent dot-array **flat screens** are presented. Control voltage diagrams, the functional diagram of the display and the schematic diagram...
...Descriptors: **flat panel** displays
...Identifiers: **half - tone** TV information...

...thin-film electroluminescent **flat screen** ; ...

...dot-array **flat screens** ;

20/3,K/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

02969838 INSPEC Abstract Number: B87063456
Title: Silicon-thinfilm transistors for liquid **crystal** display **-drive**
Author(s): Marschall, N.
Author Affiliation: AEG, Frankfurt-Main, West Germany
Journal: Der Elektroniker no.5 p.83-6
Publication Date: May 1987 Country of Publication: Switzerland
CODEN: ELKRBL ISSN: 0374-3020
Language: German
Subfile: B

Title: Silicon-thinfilm transistors for liquid **crystal** display **-drive**
...Abstract: other European Companies and Institutions for the Esprit-Programme. Based on the at present available **LCDs** with individual segment drive, which are manufactured by AEG, the author **presents** and describes high-resolving **half - tone** -picture-displays, with thin film transistors in a XY-matrix arrangement. The main aim is...

... in practical operation, in particular avoidance of short-circuits at line crossings. The benefits of **LCDs** , mainly small outside dimensions, weight, and low energy consumption at low voltages, are sketched.
Descriptors: **liquid** crystal **displays** ;
...Identifiers: **liquid** crystal **display** -drive...

...high-resolving **half - tone** -picture-displays

20/3,K/6 (Item 6 from file: 2)
DIALOG(R)File 2:INSPEC
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02712385 INSPEC Abstract Number: B86049989, C86039113
Title: AC plasma **high information content display**
Author(s): Pleshko, P.
Author Affiliation: Div. of Commun. Products, IBM Corp., Kingston, NY, USA
Conference Title: ELECTRO/85. Conference Record p.19/2/1-5
Publisher: Electron. Conventions Manage, Los Angeles, CA, USA
Publication Date: 1985 Country of Publication: USA 698 pp.
Conference Sponsor: IEEE; METSAC; ERA
Conference Date: 23-25 April 1985 Conference Location: New York, NY, USA
Language: English
Subfile: B C

Title: AC plasma **high information content display**
Abstract: IBM's 581 AC **plasma flat - panel** display subassembly, is a large-screen, high-information-content display with fast screen update time ...

... approximately 1 ft/sup 2/ viewing area of the panel. This high resolution allows the **displaying** of complex **halftones** , approximately 10000 characters of information, or two pages of information, or multiple screen partitioning (four...
...Identifiers: **plasma flat - panel** display subassembly

20/3,K/7 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS
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0205074 NTIS Accession Number: AD-696 281/XAB
Quarterly Progress Rept No. 95
Zimmermann, H. J. ; Harvey, G. G. ; Mason, S. J.
Massachusetts Inst of Tech Cambridge Research Lab of Electronics
Corp. Source Codes: 304050
15 Oct 69 154p
Journal Announcement: USGRDR7001
See also Quarterly progress rept. no. 94, dated 15 Jul 69, AD-692 201.
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A08/MF A01

... synthesis on circular cylinders and spheres, Quantization of electromagnetic radiation fields in moving uniaxial media; **Plasma** cynamics--Anomalous cyclotron radiation, Stability of electron beams with velocity shear; Communication sciences and engineering...

... of timing in natural speech, On the inappropriateness of rule features, Moire patterns in sampling **halftone** pictures, Holography and **imaging** of three-dimensional objects, Survey of type font usage, Current noise in nerve membrane-some...

Descriptors: Electronics; *Physics; *Communication systems; Scientific research; **Plasma** physics; Radio astronomy; Microwave spectroscopy; Gas lasers; Acoustics; Electromagnetism; Speech; Linguistics; Biophysics

20/3,K/8 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04543356 E.I. No: EIP96110399901
Title: Digital half **-** toning **by error diffusion with perturbation**
Author: Shiozaki, A.
Source: Electronics Letters v 32 n 18 Aug 29 1996. p 1655-1656
Publication Year: 1996
CODEN: ELLEAK
Language: English

Title: Digital half **-** toning **by error diffusion with perturbation**
Abstract: An error diffusion method is well known as one of the **half -toning** methods for **displaying** grey tone pictures on a bilevel display. However, the error diffusion method has some shortcomings...
Descriptors: Image processing; Errors; Perturbation techniques; Correlation theory; **Plasma** display devices; Binary sequences; Number theory
Identifiers: Error diffusion method; **Half toning** methods; Laser printer; Binary integers

20/3,K/9 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

03035480 E.I. Monthly No: EIM9103-009396
Title: Active-matrix LCDs **using gray scale in** halftone **methods.**
Author: Sarma, Kalluri R.; Franklin, Henry; Johnson, Mike; Frost, Keith; Bernot, Anthony
Corporate Source: Honeywell, Inc, Phoenix, AZ, USA
Conference Title: 1989 SID International Symposium
Conference Location: Baltimore, MD, USA Conference Date: 19890516
E.I. Conference No.: 13820
Source: Proceedings of the Society for Information Display v 31 n 1 1990. Publ by Soc for Information Display, Playa del Rey, CA, USA. p 7-11
Publication Year: 1990
CODEN: SIDPAA ISSN: 0036-1496
Language: English

Title: Active-matrix LCDs **using gray scale in** halftone **methods.**
...Abstract: associated with the conventional analog gray-scale method. These new methods achieve gray scale by **halftoning** methods utilizing the superior **viewing** -angle characteristics of the **LCDs** when operated in a bilevel mode. **Halftone** gray scale has been demonstrated without a penalty on the addressable display resolution and with...
Identifiers: ACTIVE-MATRIX **LCD** ; GRAY-SCALE METHODS

20/3,K/10 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

02419532 Genuine Article#: LA352 No. References: 14
Title: IMAGE HALF - TONING **- FOURIER-TRANSFORM NEURAL NET ITERATION**
Author(s): TUTTASS T; BRYNGDAHL O
Corporate Source: UNIV ESSEN GESAMTHSCH,DEPT PHYS/W-4300 ESSEN 1//GERMANY/
Journal: OPTICS COMMUNICATIONS, 1993, V99, N1-2 (MAY 15), P25-30
ISSN: 0030-4018
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: IMAGE HALF - TONING **- FOURIER-TRANSFORM NEURAL NET ITERATION**
Abstract: A feedback network for **halftoning** and its relationship to the Fourier transform algorithm is described. The feedback structured Hopfield net can be used for various optimization problems although its constraints may influence the results, as **shown** here for **halftoning** . The connection between the feedback network and the iterative **halftoning** method, based on the iterative Fourier transform algorithm, is even more evident for the ''brain...
...Research Fronts: MECHANICAL FORMULATION OF THE WILLSHAW MODEL)
91-5515 001 (NEURAL NETWORKS; FAST NONLINEAR EXTRACTION OF **PLASMA** EQUILIBRIUM PARAMETERS; COGNITIVE ARCHITECTURES)

20/3,K/11 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

02229083 JICST ACCESSION NUMBER: 94A0479596 FILE SEGMENT: JICST-E
Electrooptic characteristics of amorphous TN- LCD .
HASHIMOTO TOORU (1); TOKO YASUO (1); SUGIYAMA TAKASHI (1); IIMURA YASUFUMI (2); KOBAYASHI SHUNSUKE (2)
(1) Stanley Electr. Co., Ltd., Res. & Dev. Lab.; (2) Tokyo Univ. of Agric. and Technol., Fac. of Technol.
Porima Zairyo Foramu Koen Yoshishu, 1993, VOL.2nd, PAGE.273-274, FIG.4, REF.5
JOURNAL NUMBER: L2062AAZ
UNIVERSAL DECIMAL CLASSIFICATION: 544.23-16:535/538 544.25 621.385:621.397
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Conference Proceeding
ARTICLE TYPE: Short Communication
MEDIA TYPE: Printed Publication

Electrooptic characteristics of amorphous TN- LCD .
ABSTRACT: Visual characteristics originated in the TN system of the active matrix driving **LCD** (AM- **LCD**) were improved. The liquid crystalline cells prepared by the non-rubbing method were observed under...
...the measurement results of impressed voltages - transmissivilities that the display inversion of the A-TN- **LCD** was improved and good **half tone** display and good symmetry were **shown** .
...DESCRIPTORS: **liquid** crystal **display** ;

20/3,K/12 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

01741027 20021105375
Technical aspects of multi-colour half - tone **printing of textiles**

(Technische Aspekte des Mehrfarben-Halbton-Drucks auf Textilien)
Agarwal, BJ; Nair, RD
Univ. of Baroda, Vadodara, IND; Shri Priyalaxmi Mills, Baroda, IND
Man made Textiles in India, v45, n7, pp273-278, 2002
Document type: journal article Language: English
Record type: Abstract
ISSN: 0377-7537

Technical aspects of multi-colour half - tone **printing of textiles**

ABSTRACT:
...use a number of roller or screens for each colour of different depth. Using the **half tone** printing process printing of different depth of same colour can be done by only one screen in such system of printing. **Half - tone** effects are best produced by roller machines, but can also be produced on rotary and **flat** -bed **screen** printing machines, by suitable modification. In the article the concept of **half - tone** printing is discussed as well as screen forms of **half - tone** prints namely grain pattern, line ruling, circular ruling, dot ruling or bead ruling. A **view** on technical aspects of **half - tone** printing screens as there are screen fineness, tone values, stretching of screen fabrics, stencil, bolting cloth and selection of mesh, as well as on the art of colour separation in **Half - tone** printing, on screen preparation for **Half - tone** effects, on preparation of hand **screens** , **flat** bed **screens** and rotary screens, on the essential conditions for **Half - tone** printing, the suitability of fabrics, printing pastes, thickenings and dyestuffs leads to the conclusion that particularly four-colour **half - tone** printing, based on the utilisation of yellow, cyan, magenta and black for printing any number...
DESCRIPTORS: MULTICOLOUR PRINTING; **FLAT SCREEN** PRINTING; PHOTOCHEMISTRY ; ROTARY SCREEN PRINTING; PRINTING PASTE; THICKENING AGENT; DYE
IDENTIFIERS: **HALF TONE** PRINTING; COLOUR SEPARATION; SCREEN; HAND SCREEN ; FLATBED SCREEN; ROTARY SCREEN; EMULSION LAQUER SCREEN; GALVANO SCREEN...

20/3,K/13 (Item 1 from file: 248)
DIALOG(R)File 248:PIRA

00535931 Pira Acc. Num.: 20137422
Title: Subjective image quality for multi-level error diffusion and its objective evaluation method
Authors: Miyata K; Tsumura N; Haneishi H; Miyake Y
Source: J. Imaging Sci. Technol. vol. 43, no. 2, Mar.-Apr. 1999, pp 170-177
ISSN: 8750-9237
Publication Year: 1999
Document Type: Journal Article
Language: English

...Abstract: results of a study into the use of different criteria for evaluating image quality. Digital **halftoning** techniques are used to **represent** continuous tone images but the quality of the resulting images needs to be improved. Various...

...been carried out to help improve the quality of images reproduced by ink jet printers, **liquid** crystal **displays** and laser printers. It is suggested that there needs to be a relationship between objective...
...Descriptors: **HALFTONE** ;

24/3,K/1 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

1888302 NTIS Accession Number: N95-26930/4
Grayscale/Resolution Trade-off for Text: Model Predictions and Psychophysical Results for Letter Confusion and Letter Discrimination
(Final Report, Oct. 1992 - Mar. 1995)
Gille, J. ; Martin, R. ; Lubin, J. ; Larimer, J.
Stanford Univ., CA.
Corp. Source Codes: 009225000; S0380476
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Report No.: NAS 1.26:197784; NASA-CR-197784
30 Mar 95 10p
Languages: English
Journal Announcement: GRAI9518; STAR3309
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NTIS Prices: PC A02/MF A01

... study by examining the grayscale/resolution trade-off for text images on discrete-pixel displays. **Halftoning** in printing is an example of the grayscale/resolution trade-off. In printing, spatial resolution...
... requiring less complexity in the framestore, allowing the use of lower cost drivers, potentially increasing **data transfer** rates in the **image** subsystem, and simplifying the manufacturing processes that are used to construct the active matrix for AMLCD (active-matrix **liquid** -crystal **display**) or AMTFEL (active-matrix thin-film electroluminescent) devices. Therefore, the study of these trade-offs...

24/3,K/2 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

05411604 JICST ACCESSION NUMBER: 03A0242511 FILE SEGMENT: JICST-E
New Multi-Luminance-Level Subfield Method for Reducing Low Gray-Level Contour in AC Plasma **Display Panel.**
CHO K-D (1); TAE H-S (1); CHIEN S-I (1)
(1) Kyungpook National Univ., Daegu, Kor
IEICE Trans Electron(Inst Electron Inf Commun Eng), 2003, VOL.E86-C,NO.4, PAGE.682-685, FIG.4, TBL.1, REF.3
JOURNAL NUMBER: L1370AAA ISSN NO: 0916-8524
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397
LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Short Communication
MEDIA TYPE: Printed Publication

New Multi-Luminance-Level Subfield Method for Reducing Low Gray-Level Contour in AC Plasma **Display Panel.**
...ABSTRACT: subfield method is proposed to reduce the low gray-level contour of an alternate current **plasma** display panel (AC-PDP). The minimum or maximum luminance level per sustain-cycle can be...
DESCRIPTORS: **plasma** display...

... **halftone** image
...BROADER DESCRIPTORS: **image** **transfer** characteristic

24/3,K/3 **(Item 2 from file: 94)**
DIALOG(R)File 94:JICST-EPlus

04868597 JICST ACCESSION NUMBER: 01A0348119 FILE SEGMENT: JICST-E
Response Time Definition Appropriate for Multi-Gray-Level Liquid **Crystal** Displays .
SEKIYA KAZUO (1); NAKAMURA HAJIME (1)
(1) IBM Japan Ltd., Tokyo Res. Lab. Comp. Sci. Inst.
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report (Institute of Electronics, Information and Communication Enginners), 2001, VOL.100,NO.606(IE2000 141-154), PAGE.79-84, FIG.10, REF.2
JOURNAL NUMBER: S0532BBG
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Response Time Definition Appropriate for Multi-Gray-Level Liquid **Crystal** Displays .
...ABSTRACT: the target level, has been used in comparing the transition time between gray levels of **Liquid** Crystal **Displays** , however, this definition is not appropriate for multi-gray-level **LCDs** and inconsistent with the actual perception. We propose "Response time with absolute precision" which is...
...DESCRIPTORS: **liquid** crystal **display** ; ...

... **halftone** image
...BROADER DESCRIPTORS: **image** **transfer** characteristic

24/3,K/4 **(Item 3 from file: 94)**
DIALOG(R)File 94:JICST-EPlus

03046446 JICST ACCESSION NUMBER: 96A0803678 FILE SEGMENT: JICST-E
The Internal Memory LCD **Drivers Required for Portable Equipment. Power Consumption Reduced to 60% of Conventional, Graphics Displayable.**
SUGIYAMA KIMIHIKO (1)
(1) Hitachi, Ltd.
Gekkan Semiconductor World(Semiconductor World), 1996, VOL.15,NO.9, PAGE.24-26, FIG.3, TBL.2, REF.1
JOURNAL NUMBER: Y0509AAA ISSN NO: 0286-5025
UNIVERSAL DECIMAL CLASSIFICATION: 621.382.2/.3.049.77 621.385:621.397
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

The Internal Memory LCD **Drivers Required for Portable Equipment. Power Consumption Reduced to 60% of Conventional, Graphics Displayable.**
ABSTRACT: A low power consumption **LCD** driver set newly developed is made

ot be main target for **LCD** for medium definition of 160*240dots to 320*480dots. The segment driver has the frame...

...graphic display is being made easily without consideration to the handling of display timing and **data transfer** . Furthermore, the package is prepared two kinds of TCP and bent TCP for the downsizing. These outlines are reported including the trend of the **LCD** driver LSI for the portable type information-processing equipment in this paper.
DESCRIPTORS: **liquid** crystal **display** ; ...

... **halftone** image

24/3,K/5 (Item 4 from file: 94)
DIALOG(R)File 94:JICST-EPlus

02647018 JICST ACCESSION NUMBER: 95A0832320 FILE SEGMENT: JICST-E
Effect of Gamma Change on Picture Quality Tested by Subjective Evaluation.
WASHIO HAJIME (1); ISHII YUTAKA (1); SHIMODAIRA YOSHIFUMI (2); MURAOKA TETSUYA (3); YAMAMOTO KUNIHIKO (4)
(1) Sharp Corp., Liq. Cryst. Disp. Group; (2) Shizuoka Univ., Fac. of Eng. ; (3) Hamamatsushokugyonoryokukaihatsutandai; (4)Sharp Corp.
Shapu Giho(Sharp Technical Journal), 1995, NO.62, PAGE.33-36, FIG.9, TBL.2, REF.6
JOURNAL NUMBER: G0524AAD ISSN NO: 0285-0362 CODEN: STEJD
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

...ABSTRACT: a display should be taken into account in addition to chromaticity change, contrast, and reversal **halftone** image in order to define the maximum viewing angle. In this study, it was examined...
DESCRIPTORS: **liquid** crystal **display** ; ...

... **halftone** image
...BROADER DESCRIPTORS: **image transfer** characteristic

24/3,K/6 (Item 1 from file: 248)
DIALOG(R)File 248:PIRA

00656677 Pira Acc. Num.: 20244916
Title: Getting the colour right with CTP: colour measurement
Authors: Anon
Source: Aust. Printer Mag. Feb. 2004, p. 50
ISSN: 1033-1522
Publication Year: 2004
Document Type: Journal Article
Language: English

...Abstract: X-RiteColor Ensemble has a Monaco Optix colorimeter, which contains software to profile and calibrate **liquid** crystal **display** (**LCD**) and cathode ray tube (CRT) monitors. The spectrodensitometer measures proofs, manages International Color Consortium (ICC...

...multi-ink profiles, using up to eight colours. The X-Rite PlateDot meter analyses the **halftone** dots on the plate and includes a miniature videocam that can **transmit** 14,000dpi **images** . X-Rite's PrintDot enables the **halftone** dots of digital proofs to be checked before the final printing.
...Descriptors: **HALFTONE** ;

24/3,K/7 (Item 2 from file: 248)
DIALOG(R)File 248:PIRA

00031605 Pira Acc. Num.: 3720228 Pira Abstract Numbers: 02-81-00228
Title: ADVANCES IN PRINTING SCIENCE AND TECHNOLOGY. PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE OF PRINTING RESEARCH INSTITUTES, LILLEHAMMER, NORWAY, JUNE 1979
Authors: Banks W H
Source: London: Pentech Press for IARIGAI 1980 470pp (1310/ BK 1593)
Publication Year: 1979
Document Type: Book
Language: unspecified

...Abstract: Schaeffer); The status of printing in the USA - 1979 (M.H.Bruno); Mathematical description of **halftone** dots (K.Schlapfer and D.Sudan); Mathematical model for screen dot shapes and for transfer characteristic curves (K.Haller); A theory of screenless lithography (W.H.Banks); On **image transfer** in **halftone** photography (H.Saarelina); Numerical expression of the fidelity of reproducing coloured **halftone** illustrations in the proof press- production print (V.Snaidr); Direct method of producing waterless offset...

... Nechiporenko and N.Markova); Reducing the effect of dot formation patterns on visual perception of **halftone** images (I.Solntsev); Liquid inks - solvent evaporation. (W.Hansen); Water flow and surfactant effects in...

... S.Kartunnen and U.Lindqvist); Analysis of heat-set offset emissions by means of microwave **plasma** detector (J.Korostenski); Measurement of ink drying rate on a running web (M.Gluck and...
...Descriptors: **HALFTONE** ; ...

... **PLASMA** ;

27/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
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6244788 INSPEC Abstract Number: B1999-06-7260B-044
Title: FLC materials with fast response time and high contrast ratio for the tau -Vmin mode FLCDs
Author(s): Koden, M.; Furukawa, T.; Kabe, M.; Okamoto, S.; Sakaigawa, A.; Sako, T.; Sugino, M.; Tagawa, A.; Jones, J.C.; Anderson, M.H.; Dunn, P.E.; Hughes, J.R.; Lymer, K.P.; Minter, V.; Russell, K.G.; Slaney, A.J.
Author Affiliation: Sharp Corp., Chiba, Japan
Conference Title: 1998 SID International Symposium. Digest of Technical Papers. Vol. 29 p.778-81
Publisher: Soc. Inf. Display, Santa Anaheim, CA, USA
Publication Date: 1998 Country of Publication: USA xxiv+1269 pp.
Material Identity Number: XX-1998-02746
U.S. Copyright Clearance Center Code: 0098-0966X/98/2901-0778-$1.00+.00
Conference Title: Proceedings of SID'98. International Symposium
Conference Date: 17-22 May 1998 Conference Location: Anaheim, CA, USA
Language: English
Subfile: B
Copyright 1999, IEE

...Abstract: simple multiplexing FLCDs with high contrast and moving full color images, realizing high bit temporal **dither** for gray scale.
...Descriptors: **liquid** crystal **displays** ; ...

...optical **transfer** function
...Identifiers: temporal **dither** ;

27/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
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01144447 INSPEC Abstract Number: B78007400
Title: Digital video: a buffer-controlled dither **processor for animated images**
Author(s): Judice, C.N.
Author Affiliation: Bell Labs., Holmdel, NJ, USA
Journal: IEEE Transactions on Communications vol.COM-25, no.11 p. 1433-40
Publication Date: Nov. 1977 Country of Publication: USA
CODEN: IECMBT ISSN: 0090-6778
Language: English
Subfile: B

Title: Digital video: a buffer-controlled dither **processor for animated images**
...Abstract: to be played in real-time on bilevel, memory display devices such as the AC **plasma** panel. The technique combines ordered **dither** processing, selective updating, and hysteretic thresholding to digitally **transmit** or store the video images. Only a 1 bit/pel frame memory plus a 0...
...Identifiers: AC **plasma** panel...

...ordered **dither** processing...

...buffer controlled **dither** processor...

27/3,K/3 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

06911352 Genuine Article#: 101XM No. References: 22
Title: Secretory-granule dynamics visualized in vivo with a phogrin green fluorescent protein chimaera
Author(s): Pouli AE; Emmanouilidou E; Zhao C; Wasmeier C; Hutton JC; Rutter GA (REPRINT)
Corporate Source: UNIV BRISTOL,SCH MED SCI, DEPT BIOCHEM, UNIV WALK/BRISTOL BS8 1TD/AVON/ENGLAND/ (REPRINT); UNIV BRISTOL,SCH MED SCI, DEPT BIOCHEM/BRISTOL BS8 1TD/AVON/ENGLAND/; UNIV COLORADO,HLTH SCI CTR, BARBARA DAVIS CTR CHILDHOOD DIABET/DENVER//CO/80262
Journal: BIOCHEMICAL JOURNAL, 1998, V333, 1 (JUL 1), P193-199
ISSN: 0264-6021 Publication date: 19980701
Publisher: PORTLAND PRESS, 59 PORTLAND PLACE, LONDON W1N 3AJ, ENGLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: living cells. In unstimulated INS-1 beta-cells, granule movement was confined to oscillatory movement (**dithering**) with period of oscillation 5-10 s and mean displacement <1 mu m. Both elevated glucose concentrations (30 mM), and depolarization of the **plasma** membrane with K+, provoked large (5-10 mu m) saltatory excursions of granules across the...
...activation with ATP provoked granule movement towards the membrane of PC12 cells, resulting in the **transfer** of fluorescence to the **plasma** membrane consistent with fusion of the granule and diffusion of the chimaera in the **plasma** membrane. These results illustrate the potential use of phogrin-EGFP chimeras in the study of...

27/3,K/4 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01404372 ORDER NO: AADAA-I9510834
CREATION, TRANSPORT AND MEASUREMENT OF BRIGHT RELATIVISTIC ELECTRON BEAMS
Author: MCKEE, CHAD BENNETT
Degree: PH.D.
Year: 1994
Corporate Source/Institution: DUKE UNIVERSITY (0066)
Source: VOLUME 55/11-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 4893. 247 PAGES

Descriptors: PHYSICS, GENERAL; PHYSICS, ELEMENTARY PARTICLES AND HIGH ENERGY; PHYSICS, FLUID AND **PLASMA**

...the beam line commissioning and control procedures on linac-driven FELs by experimentally measuring the **transfer** matrix of each beam line section. The **transfer** matrix of a given section is measured by **dithering** the electron beam, measuring the beam vector before and after the section and inverting the...

...matrix. We minimize the beam line errors by minimizing the deviation between the experimentally measured **transfer** matrix and the design

transfer matrix of each beam line section. While not experimentally verified, computer simulations show that this...

31/3,K/1 (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

04274788
SHARP LAUNCHES PLAIN-PAPER FAX
JAPAN - SHARP LAUNCHES PLAIN-PAPER FAX
Office Equipment & Products (OEP) 0 May 1991 p63
ISSN: 0387-5245

... timer operations for polling, after-hours and unattended transmission. The fax takes 15-seconds to **send** an A4-sized document at a modem speed of 9,600 bps, and it includes auto-contrast and 16-level **halftone** controls. A coversheet is produced with every transmission and other features include a tilting **LCD** panel, 10-page automatic feeders, maximum of 30-page serial copying, autodial, autoredial and autofax...

31/3,K/2 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

03038392
HITACHI AMERICA LAUNCHES HIFAX 47
US - HITACHI AMERICA LAUNCHES HIFAX 47
Telephony (TLY) 6 November 1989 p71,74
ISSN: 0040-2656

... has launched Hifax 47, a new facsimile, which offers a dial bank on a large **liquid** crystal **display** . Users can scroll through lists of names and telephone numbers and automatically **send** a fax to the appropriate number. Features also included are error correction mode and super **half tone** transmission.

31/3,K/3 (Item 1 from file: 248)
DIALOG(R)File 248:PIRA

00481970 Pira Acc. Num.: 20083494
Title: Influence of surface energetics on ink transfer **in flexo printing**
Authors: Lagerstedt P; Kolseth P; Nordstrom J-E P
Source: Advances in printing science and technology: proceedings of the 23rd research conference of IARIGAI, Paris, France, 17-20 Sept. 1995, pp 269-299 [Chichester, UK: John Wiley and Sons, 1997, 491pp, #65.00 (ISBN 0-471-97158-8) (655.001.891) (R12369)] (C, P, S)
Publication Year: 1997
Document Type: Conference Publication
Language: English

Title: Influence of surface energetics on ink transfer **in flexo printing**
Abstract: In an investigation showing how the surface energetics of paper affect ink **transfer** in flexography using a water based ink, a coated paper, an uncoated woodfree paper, and...

... roughness levels. To study the influence of surface energetics, the papers were treated in a **plasma** reactor to modify the surface energy, with pore structure being kept unchanged. Paper samples were printed on the

laboratory and pilot scales. Ink **transfer** was influenced by paper surface roughness or chemical factors with the influence being small, particularly in fulltone areas as these surface factors are more influential in **halftones** . In the borders between printed and unprinted areas, the surface energy affected ink **transfer** via poorer ink adhesion. (31 fig, 5 tab, 18 ref)
...Descriptors: INK **TRANSFER** ;

31/3,K/4 (Item 2 from file: 248)
DIALOG(R)File 248:PIRA

00384133 Pira Acc. Num.: 20007234
Title: FLAT SCREEN **PRINTING WITH A NEW CONCEPT**
Authors: Klemm M
Source: Text. Prax. Int. vol. 49, no. 1-2, Jan.-Feb. 1994, pp V-VI
ISSN: 0040-4853
Publication Year: 1994
Document Type: Journal Article
Language: English

Title: FLAT SCREEN **PRINTING WITH A NEW CONCEPT**
...Abstract: far the most popular screen printing technology in most of the industrialised countries except Japan, **flat screen** printing has been able to maintain its worldwide share of about 18% as the choice procedure for short yardages. The recent new trend of the use of shaded

half - tone designs and the growing interest in CAD ranges for textile applications have also aided the revival of **flat screen** technology. Now the new range of **flat screen** printing equipment 7000 EE Aurora from Japanese machine manufacturer Ichinose with its novel feature of a heatable print table permits the **transfer** of table colouristics into an automated system. Print edges achieved by the new unit are...

31/3,K/5 (Item 3 from file: 248)
DIALOG(R)File 248:PIRA

00217836 Pira Acc. Num.: 9681281 Pira Abstract Numbers: 08-91-PT00250
Title: COPIPRINTA 100 DIGITAL DUPLICATOR
Authors: Anon
Source: Comprint Bull. no. 84, Sept. 1990, p. 2
Publication Year: 1990
Document Type: Journal Article
Language: English

...Abstract: head produce a master, for 400dpi copies, all features being keyed in through a large **LCD** display. Features include 256 **halftone** gradations, reduction, enlargement, and automatic programming and printing of 15 originals. One master provides up...
...Descriptors: **HALFTONE** ; ...

... **LIQUID** CRYSTAL **DISPLAY** ;
Section Headings: Thermal **Transfer** (8362)

31/3,K/6 (Item 4 from file: 248)
DIALOG(R)File 248:PIRA

00122175 Pira Acc. Num.: 5851024 Pira Abstract Numbers: 05-84-02115
Title: NEW FACSIMILE SYSTEM POINTS THE WAY AHEAD
Authors: Anon
Source: Inf. Transfer no. 3, Summer 1984, pp 4-5
Publication Year: 1984
Document Type: Journal Article
Language: English

...Abstract: STC Business Systems, is featured. The 3534 incorporates the latest digital technology, handling colour and **half - tone** originals, and **transmitting** a typical A4 page in 20-40 seconds, with the cost savings that this high...

... transmission makes possible. The features of the 3534 are described and include high quality reproduction. **LCD** display (which also gives operator and diagnostic messages), fully automatic receiving, automatic paper cut off...
...Descriptors: **HALFTONE** ; ...

... **LIQUID** CRYSTAL **DISPLAY** ;

31/3,K/7 (Item 5 from file: 248)
DIALOG(R)File 248:PIRA

00024249 Pira Acc. Num.: 2020733 Pira Abstract Numbers: 02-78-00733
Title: US WORK WITH LASERS AND PLASMA **COATED CERAMICS**
Source: PRINT. WORLD vol 201 no 7 17 Feb 1978 pp 22 26-28 31
Publication Year: 1978
Document Type: Journal Article
Language: unspecified

Title: US WORK WITH LASERS AND PLASMA **COATED CERAMICS**
...Abstract: such as laser engraving and particularly the use of fine screen engraved anilox rolls with **plasma** coated ceramics. The coating process is described and the advantages and uses of such coatings...

... rollers, noting the advantages and disadvantages and best applications. Ink problems with flexo printing of **transfer** papers were discussed by D.Howarth of Coates Bros Ltd with particular reference to spots, ghosting and foaming. D.C.James of Metal Box Packaging Ltd reviewed the position of **halftone** printing by flexography. Inking systems for the eighties were discussed by H.G.Smith of...
...Descriptors: **HALFTONE** ; ...

... **PLASMA** ; ...

... **TRANSFER** PAPER

36/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

7939435 INSPEC Abstract Number: B2004-05-6135C-293, C2004-05-5260B-733
Title: A new progressive coding algorithm of dithered images
Author(s): Soo-Chang Pei; Jing-Ming Guo; Hua Lee
Author Affiliation: Dept. of Electr. Eng., Nat. Taiwan Univ., Taipei, Taiwan
Conference Title: 2004 Southwest Symposium on Image Analysis and Interpretation (IEEE Cat. No.04EX820) p.61-5
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 2004 Country of Publication: USA x+227 pp.
ISBN: 0 7803 8387 7 Material Identity Number: XX-2004-00923
U.S. Copyright Clearance Center Code: 0-7803-8387-7/04/$20.00
Conference Title: 2004 Southwest Symposium on Image Analysis and Interpretation
Conference Sponsor: IEEE Comput. Soc.; TC on Computational Medicine; Texas Tech Univ. College of Engineering; Texas Tech Univ. Department of Electrical and Comput. Engineering
Conference Date: 28-30 March 2004 Conference Location: Lake Tahoe, NV, USA
Language: English
Subfile: B C

Abstract: A novel progressive coding scheme is **presented** for the efficient **display** of **dithered** images. Dithered images are the results of thresholding original gray-level images with dithering **screens** . After the preprocessing of bit-interleaving, this algorithm utilizes the characteristic of the reordered **image** to determine the **transmitting** order and then progressively reconstructs the dithered image. Moreover, the dithered images are further compressed...

36/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

6105574 INSPEC Abstract Number: C9901-6130B-106
Title: Error diffusion using the "web-safe" colors: how good is it across platforms?
Author(s): Gille, J.; Luszcz, J.; Larimer, J.
Author Affiliation: Sterling Software, Moffett Field, CA, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3299 p.368-75
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1998 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1998)3299L.368:EDUT;1-W
Material Identity Number: C574-98197
U.S. Copyright Clearance Center Code: 0277-786X/98/$10.00
Conference Title: Human Vision and Electronic Imaging III
Conference Sponsor: SPIE: Soc. Imaging Sci. & Technol
Conference Date: 26-29 Jan. 1998 Conference Location: San Jose, CA, USA
Language: English
Subfile: C

Abstract: Accurate color rendering across **displays** is complicated on the World Wide Web by the color-handling properties of individual web...

... simple quantization to 216 colors can produce images with altered hues or color banding. We **show** that **dithering** with the browser-safe colors is a good strategy for such images, especially at spatial resolutions above 150 dpi. However, even if the RGB **image** is **transmitted** and received unaltered, the system gamma will affect appearance. Ambient lighting contributes to the rendered image's appearance, but does not mask the effects of differences in **monitor** gammas. The need for an image-rendering convention traceable to the CIE is underscored by...

...Descriptors: rendering (**computer** graphics...

...Identifiers: **displays** ;

36/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

01025592 INSPEC Abstract Number: B77010478, C77007965

Title: Transmission and storage of dither coded images using 2-D pattern matching

Author(s): Judice, C.N.; White, A.B.; Johnson, R.L.

Journal: Proceedings of the S.I.D vol.17, no.2 p.85-91

Publication Date: 1976 Country of Publication: USA

CODEN: SIDPAA ISSN: 0734-1768

Language: English

Subfile: B C

...Abstract: new technique is described for significantly reducing the amount of data necessary for storing or **transmitting** grey tone **images** digitally encoded by the ordered **dither** method. **Dithered** images already **represent** an 8:1 reduction of an 8 bit PCM encoded video signal with some degradation...

... 4:1 are achieved by associating selected, two dimensional bit patterns with a special character **code** and storing or **transmitting** only the **code** . The receiver or **display** has a symbol table from which the original dithered image is reconstructed.

36/3,K/4 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

06910812 E.I. No: EIP04268231102

Title: A new progressive coding algorithm of dithered images

Author: Pei, Soo-Chang; Guo, Jing-Ming; Lee, Hua

Corporate Source: Department of Electrical Engineering National Taiwan University, Taipei, Taiwan

Conference Title: 2004 IEEE Southwest Symposium on Image Analysis and Interpretation

Conference Location: Lake Tahoe, NV, United States Conference Date: 20040328-20040330

E.I. Conference No.: 63099

Source: Proceedings of the IEEE Southwest Symposium on Image Analysis and Interpretation 2004 IEEE Southwest Symposium on Image Analysis and Interpretation v 6 2004.

Publication Year: 2004
Language: English

Abstract: A novel progressive coding scheme is **presented** for the efficient **display** of **dithered** images. Dithered images are the results of thresholding original gray-level images with dithering **screens** . After the preprocessing of bit-interleaving, this algorithm utilizes the characteristic of reordered **image** to determine the **transmitting** order and then progressively reconstructs the dithered image. Moreover, the dithered images are further compressed...

36/3,K/5 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06129860 E.I. No: EIP02377086971
Title: Infrared imaging systems: Design, analysis, modeling, and testing IX
Author: Holst, G.C. (Ed.)
Conference Title: Infrared Imaging Systems: Design, Analysis, Modelling, and Testing IX
Conference Location: Orlando, FL, United States Conference Date: 19980415-19980416
E.I. Conference No.: 59541
Source: Proceedings of SPIE - The International Society for Optical Engineering v 3377 1998. 290p
Publication Year: 1998
CODEN: PSISDG ISSN: 0277-786X
Language: English

...Abstract: modeling; model-based real-time nonuniformity correction in focal plane array detectors; laboratory testing of **dithered** infrared **imaging** systems; characterization of thermal staring imagers with multielement fractal teat targets; next-generation of imaging...
...Descriptors: analysis; Multispectral scanners; Light emitting diodes; Semiconductor quantum wells; Radiometry; Military engineering; Spectrum analysis; Optical **transfer** function; **Computer software**

40/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

4917289 INSPEC Abstract Number: B9505-6140C-152, C9505-1250-107
Title: CNN state equations for binocular stereo vision
Author(s): Tanaka, M.; Awata, M.; Kanaya, M.
Author Affiliation: Dept. of Electr. Eng., Sophia Univ., Tokyo, Japan
Part vol.3 p.1929-34 vol.3
Publisher: IEEE, New York, NY, USA
Publication Date: 1994 Country of Publication: USA 7 vol. (lxvii+lxii+4796) pp.
ISBN: 0 7803 1901 X
U.S. Copyright Clearance Center Code: 0 7803 1901 X/94/$4.00
Conference Title: Proceedings of 1994 IEEE International Conference on Neural Networks (ICNN'94)
Conference Date: 27 June-2 July 1994 Conference Location: Orlando, FL, USA
Language: English
Subfile: B C

...Abstract: to-digital converters, and, the correspondence problem can be solved by pattern recognition for analog **images** reconstructed from the transmitted **halftoning images** . **Computer** simulation **shows** the verification for dynamic **halftoning** and extraction process for analog stereo images.

40/3,K/2 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01663443 ORDER NO: AAD99-03383
DATA COMPRESSION AND HALFTONE RENDERING **FOR GRAY SCALE AND COLOR IMAGES**
Author: BREAUX, NANCY
Degree: PH.D.
Year: 1998
Corporate Source/Institution: UNIVERSITY OF SOUTHWESTERN LOUISIANA (0233)
Source: VOLUME 59/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 4314. 150 PAGES

DATA COMPRESSION AND HALFTONE RENDERING **FOR GRAY SCALE AND COLOR IMAGES**
Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL ; **COMPUTER** SCIENCE

...images, considering both compression and halftoning together leads to a rethinking of how gray scale **images** should be **transmitted** . In the past, gray scale images were halftoned on the transmitting side at the time ...

...shifts and color spikes, and error diffusion cannot be implemented in parallel. A multiresolution color **halftoning** algorithm is **presented** which overcomes all the difficulties of error diffusion. This halftoning algorithm improves the image quality...

40/3,K/3 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

03519373 JICST ACCESSION NUMBER: 98A0380660 FILE SEGMENT: JICST-E
Basic Technologies of FIRST PROOF. "Thin-layer Thermal Transfer" and "VR SCREEN ".
SAWANO MITSURU (1); NAKAMURA HIDEYUKI (1); SHIRAI SHU (1); GOTO YASUTOMO (1); SHIMOMURA AKIHIRO (1)
(1) Fuji Photo Film Co., Ltd., Fujinomiya Res. Labs.
FujiFilm Res & Dev, 1998, NO.43, PAGE.33-40, FIG.17, TBL.3, REF.5
JOURNAL NUMBER: F0079ABW ISSN NO: 0915-1478
UNIVERSAL DECIMAL CLASSIFICATION: 655.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

Basic Technologies of FIRST PROOF. "Thin-layer Thermal Transfer" and "VR SCREEN ".
...ABSTRACT: LOUVER" is a dot-size-modulating method using a thermal head. The third technology "VR **SCREEN** " is a new screening method to avoid a color variance in a gray color image with four colors in a thermal **halftone imaging** system. It is also effective for any dot-size-modulated color printing systems using a...
...printing. (2) The image appearance is the same as a press printing due to the **image** is **transferred** to stock paper. (3) The highlight dots can be confirmed with a microscope because the...

...a high-cost laser head. These features are realized to use 3T, LOUVER and VR **SCREEN** technologies. (author abst.)

40/3,K/4 (Item 1 from file: 248)
DIALOG(R)File 248:PIRA

00599985 Pira Acc. Num.: 20196771
Title: New halftone screening technologies and their demands on printability of paper. Part 3 B Dot gain of halftone screen **prints**
Authors: Ness C; Gottsching L
Source: Int. Papwirtsch. no. 7, 2001, pp 34-37 (C, K, P, S)
ISSN: 0070-4296
Publication Year: 2001
Document Type: Journal Article
Language: German

...**Title: technologies and their demands on printability of paper. Part 3 B Dot gain of halftone** screen **prints**
Abstract: Theoretical models for the **transfer** of optical print **information** , especially in electronic screening, are binary processes in which the type of **screen** is not very significant in respect of **halftone** simulation. **Screen** surface print measurements **show** that the type of **screen** does affect the **transfer** of optical **data** on to paper. Paper can not be regarded as a passive information carrier since it modulates the **data** **transferred** from the printing plate. Ink layers are laid down unevenly and the reflection from unprinted areas can vary. Different **screen** types will affect localised modulation caused by functional and

optical properties of the paper substrate...
...Descriptors: PRINTING **SCREEN** ;

40/3,K/5 (Item 2 from file: 248)
DIALOG(R)File 248:PIRA

00206021 Pira Acc. Num.: 9324747 Pira Abstract Numbers: 02-90-02289
Title: IMAGE **QUALITY, CONTRAST** TRANSFER **AND TONE REPRODUCTION**
Authors: Gur Y
Source: Paper presented at 'Taga Proceedings 1989', held April 1989, Orlando, FL, USA, pp 470-480 [Rochester, NY, USA: TAGA 1989, 805pp, $70.00 (655.1.001.891) (7776)
Publication Year: 1989
Document Type: Conference Publication
Language: English

Title: IMAGE **QUALITY, CONTRAST** TRANSFER **AND TONE REPRODUCTION**
Abstract: The Tone Reproduction Curve, TRC, of an **imaging** system, describes its **halftone** quality capabilities, the TRC being a description of a system in an implitude domain of...

... image quality assessment. The Contrast Transfer Function, CTF, provides a quality merit factor, QF, for **halftone imaging** systems. The QF number describes overall image capabilities and may be measured for ink/paper/press, plates, and proofing. The CTF is now connected with a TRC of a **halftone imaging** system. A TRC for an arbitrary scan frequency may be evaluated from the measured CTF...
...Descriptors: **SCREEN** - HALFTONE

41/3,K/1 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01738626 ORDER NO: AADAA-I9964545
Image space graphics
Author: Williams, Lance Joseph
Degree: Ph.D.
Year: 2000
Corporate Source/Institution: The University of Utah (0240)
Source: VOLUME 61/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1500. 82 PAGES

...discrete nature of the visible-surface computations must be treated with care. The effects of **dither** , interpolation, and geometric quantization of the shadowing algorithm are examined. This paper describes one of...

...portray three-dimensional (3D) scenes. View interpolation to synthesize 3D scenes has two main advantages. **First** , the 3D **representation** of the scene may be replaced with images. Second, the image synthesis time is independent...
?

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  File 344:Chinese Patents Abs Aug 1985-2004/May
         (c) 2004 European Patent Office
  File 347:JAPIO Nov 1976-2004/Apr(Updated 040802)
         (c) 2004 JPO & JAPIO
*File 347: JAPIO data problems with year 2000 records are now fixed.
Alerts have been run.  See HELP NEWS 347 for details.
  File 350:Derwent WPIX 1963-2004/UD,UM &UP=200455
         (c) 2004  Thomson Derwent
*File 350: For more current information, include File 331 in your search.
Enter HELP NEWS 331 for details.

      Set  Items  Description
      ---  -----  -----------
Cost is in DialUnits
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Terminal set to DLINK
? ds

Set     Items   Description
S1     428269   FLATSCREEN? OR LCD?? OR (LIQUID??(2N)DISPLAY??) OR PLASMA??
              OR (FLAT(2N)(TV? ? OR TELEVISION?? OR MONITOR? ? OR COMPUTER?
              ? OR SCREEN?? OR PANEL??)) OR FLATPANEL??
S2        467   (OLED?? OR BACKLIT??)(2N)(SCREEN?? OR DISPLAY?? OR MONITOR-
             ?? OR COMPUTER??)
S3    2309094   TV? ? OR TELEVISION?? OR MONITOR? ? OR COMPUTER? ? OR DISP-
             LAY?? OR CRT?? OR SCREEN??
S4       4939   DITHER???
S5      12873   HALF()TONING OR HALFTONING OR HALF()TONE? ? OR HALFTONE? ?
S6     685352   PATTERN????
S7        231   (REPRESENT??? OR SHOW??? OR PRESENT????? OR IMAGING?? OR D-
             ISPLAYING?? OR VISUALI???? OR RENDER??? OR ILLUSTRAT??? OR VI-
             EW???)(5N)S4
S8        778   (REPRESENT??? OR SHOW??? OR PRESENT????? OR IMAGING?? OR D-
             ISPLAYING?? OR VISUALI???? OR RENDER??? OR ILLUSTRAT??? OR VI-
             EW???)(5N)S5
S9     442863   (TRANSMIT???? OR SEND??? OR TRANSFER???)(3N)(DATA?? OR INF-
             ORMATION?? OR FILE?? OR SOFTWAR?? OR RECORD?? OR CODE?? OR IM-
             AG??)
S10       621   (FIRST?? OR INITIAL??)(2N)(REPRESENTATION??)
S11       412   (SECOND?? OR 2ND?? OR SUBSEQUENT??)(2N)(REPRESENTATION??)
S12        11   AU=(BEN-DAVID, G? OR BEN-DAVID G?)
S13         6   S12 AND (S1 OR S2 OR S3)
S14         1   S13 AND (S4 OR S5)
S15    428566   S1 OR S2
S16       162   S15 AND S4
S17        26   S16 AND S7
S18        13   S17 NOT AD=20010221:20040830/PR
S19        14   S16 AND (TRANSMIT???? OR SEND??? OR TRANSFER???)
S20        13   S19 NOT (S18 OR S14)
S21         7   S20 NOT AD=20010221:20040830/PR
S22       850   S15 AND S5
S23       100   S22 AND S8
S24         3   S23 AND S9
S25         3   S23 AND (TRANSMIT???? OR SEND??? OR TRANSFER???)
S26         0   S25 NOT S24
S27      1411   S3 AND S4
S28        97   S3 AND S7
S29         4   S28 AND S9
S30         9   S28 AND (TRANSMIT???? OR SEND??? OR TRANSFER???)
S31         8   S30 NOT (S18 OR S14 OR S21 OR S25)
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S32	3889	S3 AND S5
S33	354	S3 AND S8
S34	35	S33 AND (TRANSMIT???? OR SEND??? OR TRANSFER???)
S35	8	S34 AND IC=G09G?
S36	6	S35 NOT (S18 OR S14 OR S21 OR S25)
S37	6	S36 NOT S31

14/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015724520 **Image available**
WPI Acc No: 2003-786720/200374
XRPX Acc No: N03-630460
Digital data transmission method for display **device, involves displaying data as representation of** dither **pattern on** screen **and deriving another representation being in linear proportion to preset level of luminance**
Patent Assignee: SEE-RT TECHNOLOGY LTD (SEER-N)
Inventor: **BEN-DAVID G**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020154137	A1	20021024	US 2001269884	P	20010221	200374	B
			US 200257644	A	20020123		

Priority Applications (No Type Date): US 2001269884 P 20010221; US 200257644 A 20020123
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020154137	A1		23	G09G-005/02	Provisional application US 2001269884

Digital data transmission method for display **device, involves displaying data as representation of** dither **pattern on** screen **and deriving another representation being in linear proportion to preset level of luminance**
Inventor: **BEN-DAVID G**

Abstract (Basic):
... A digital data is **displayed** on a **screen** of a transmitter, as a representation of **dither** pattern. The **dither** pattern with a preset level of luminance selected from a group consisting of distribution spanning range of 0-100% luminance level, is **displayed** . Another representation being in linear proportion to preset level of luminance of previous representation is derived from the **screen** , to receive digital data.
... For transmitting data from **screen** of any **display** devices such as **monitor** for **computer** , raster scan cathode ray tube (**CRT**), **liquid** crystal **display** (**LCD**), organic light-emitting diode (**OLED**), **plasma screen** , back-lit **screen** , **display** for **television** , to receiver...

...Enables transmitting digital data from either a **CRT** , **LCD** or any other **screen** such as **OLED screen** , back-lit **screen** , **plasma screen** , in operative association with an appropriate receiver. Hence, provides an improved capability for digital transmission...

...The figure shows a transmission window for **television** set...

... **screen** (10...

... **television** set (24...

... **television** window (36...

... **television** area (38
...Title Terms: **DISPLAY** ;

18/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

07338977 **Image available**
PROCESSING OF IMAGE DATA SUPPLIED TO IMAGE DISPLAY DEVICE

PUB. NO.: 2002-207468 [JP 2002207468 A]
PUBLISHED: July 26, 2002 (20020726)
INVENTOR(s): ISHIDA MASANORI
MORIYA HIDEKUNI
APPLICANT(s): SEIKO EPSON CORP
APPL. NO.: 2001-003284 [JP 20013284]
FILED: January 11, 2001 (20010111)

ABSTRACT
... image through standardized processing when source image data are processed so as to make a **display** on the **liquid** crystal panel of a portable telephone set.

SOLUTION: Gradation values of the source image data are changed through halftone processing into gradation values that the liquid crystal panel can **represent** by the **dither** method. At this time, specific display gradation values are univocally allocated. Namely, several singular gradation...

18/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

04550840 **Image available**
LIQUID CRYSTAL **DISPLAY** DEVICE

PUB. NO.: 06-222740 [JP 6222740 A]
PUBLISHED: August 12, 1994 (19940812)
INVENTOR(s): HIROSE MASATOSHI
KABUTO NOBUAKI
INOUE FUMIO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 05-012263 [JP 9312263]
FILED: January 28, 1993 (19930128)
JOURNAL: Section: P, Section No. 1826, Vol. 18, No. 600, Pg. 100, November 15, 1994 (19941115)

LIQUID CRYSTAL **DISPLAY** DEVICE

ABSTRACT
... the wide visual angle compatible with each other by performing multi-gradation display by a **dither** method and **displaying** at least one pixel out of one unit of the **dither** method with a black or white color being independent of the visual angle...

...CONSTITUTION: A look up table to realize a **dither** method is stored in a ROM 20, and the ROM 20 outputs a 3 bits data signal to be **displayed** by a **liquid** crystal **display** device 10 in accordance with an inputted display signal and a 2 bits address signal...

... signal outputted from the ROM 20. Then, multi-gradation display can be performed by the **dither** method, the visual angle can be widened by displaying at least one pixel out of one unit of the **dither** method with a black or white color being independent of the visual angle, also, multi...

18/3,K/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016319727 **Image available**
WPI Acc No: 2004-477622/200445
XRPX Acc No: N04-376343

Multi-level dither **image forming method for printer, involves comparing corrected image pixel value with threshold values** representing **preset** dither **image pixel value to obtain** dither **pixel value corresponding to threshold value**

Patent Assignee: SUNPLUS TECHNOLOGY CO LTD (SUNP-N)
Inventor: CHEN L
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6757079	B1	20040629	US 2000524289	A	20000313	200445	B

Priority Applications (No Type Date): US 2000524289 A 20000313
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6757079	B1		12	G06K-009/36	

Multi-level dither **image forming method for printer, involves comparing corrected image pixel value with threshold values** representing **preset** dither **image pixel value to obtain** dither **pixel value corresponding to threshold value**

Abstract (Basic):
... The method involves processing difference between pixel values of an input digital image and a **dither** image by an error filter to generate corrected image pixel value. The corrected value is compared with a set of threshold values **representing** a preset **dither** image pixel value to determine a threshold value nearest to the corrected pixel for obtaining a pixel value of **dither** image corresponding to the threshold value.
... An INDEPENDENT CLAIM is also included for an apparatus for forming a multi-level **dither** image from an input digital image...

...Used for forming multi-level **dither** image from an input digital image that is used in a printer and **liquid** crystal **display** (**LCD**) device ...

...The method generates better quality **dither** images without producing the undesired visual pattern effect. The method utilizes small amount of image...
...cost is low. The method properly selects the threshold values, thereby allowing any multi-level **dither** image to be obtained...

...The drawing shows a functional block diagram of an apparatus for forming a multi-level **dither** image from an input digital image...

...Title Terms: **DITHER** ;

18/3,K/4 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015148486 **Image available**
WPI Acc No: 2003-209013/200320
XRPX Acc No: N03-166569
Video display device power consumption reduction method for computer system, involves displaying data alternately at two brightness levels in different modes of display operation
Patent Assignee: BUI V X (BUIV-I); PHAM T (PHAM-I)
Inventor: BUI V X; PHAM T
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020147861	A1	20021010	US 98164527	A	19980930	200320	B

Priority Applications (No Type Date): US 98164527 A 19980930
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020147861	A1		9	G06F-003/00	

Abstract (Basic):
... For reducing power consumption of video display device such as **liquid** crystal **display** (**LCD**), **plasma** addressed liquid crystal (PALC), cathode ray tubes (CRT), electroluminescent display, field emission cathode display, gas **plasma** display, light emitting diode (LED) display, AC **plasma** display panels (ACPDP) for electronic device such as computer systems (claimed), portable television and hand...

...The figure **shows** a block diagram of the **dithered** brightness control system...

18/3,K/5 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014397879 **Image available**
WPI Acc No: 2002-218582/200228
XRPX Acc No: N02-167620
Video picture processing method for display devices, involves applying single or combination of cell-based dithering , **object or region based** dithering **and video signal level** dithering , **to video picture**
Patent Assignee: THOMSON LICENSING SA (CSFC); THOMSON LICENSING TRADE SA (CSFC); DEUT THOMSON-BRANDT GMBH (THOH); CORREA C (CORR-I); WEITBRUCH S (WEIT-I); ZWING R (ZWIN-I)
Inventor: CORREA C; WEITBRUCH S; ZWING R
Number of Countries: 086 Number of Patents: 009
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1136974	A1	20010926	EP 2000250099	A	20000322	200228	B
AU 200139283	A	20011003	AU 200139283	A	20010309	200228	
WO 200171702	A2	20010927	WO 2001EP2668	A	20010309	200228	
EP 1269457	A2	20030102	EP 2001913854	A	20010309	200310	

				WO 2001EP2668	A	20010309	
US 20030103059	A1	20030605		WO 2001EP2668	A	20010309	200339
				US 2002239284	A	20020920	
KR 2003019325	A	20030306		KR 2002712362	A	20020919	200345
JP 2003528517	W	20030924		JP 2001569802	A	20010309	200365
				WO 2001EP2668	A	20010309	
CN 1462423	A	20031217		CN 2001806926	A	20010309	200420
TW 564387	A	20031201		TW 2001101223	A	20010119	200431

Priority Applications (No Type Date): EP 2000250099 A 20000322
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1136974	A1	E	21	G09G-003/28	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
AU 200139283	A				Based on patent WO 200171702
WO 200171702	A2	E			
Designated States (National): AE AG AL AU BA BB BG BR CA CN CR CU CZ DM DZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LV MA MG MK MN MX NO NZ PL RO SG SI SK TT UA US UZ VN YU ZA					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
EP 1269457	A2	E		G09G-003/28	Based on patent WO 200171702
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
US 20030103059	A1			G09G-005/02	
KR 2003019325	A			H04N-009/77	
JP 2003528517	W		41	H04N-001/405	Based on patent WO 200171702
CN 1462423	A			G09G-003/28	
TW 564387	A			G09G-003/28	

Video picture processing method for display devices, involves applying single or combination of cell-based dithering , **object or region based** dithering **and video signal level** dithering , **to video picture**

Abstract (Basic):

... A single/combination of cell-based **dithering** , object based **dithering** and video signal level **dithering** is/are applied to video picture. The disposable numbers of object based **dithering** depend on region/object in video picture and the disposable numbers in video signal level **dithering** depend on video signal level.

... For processing video signals displayed in display devices e.g. **plasma** display panel (PDP) used in TV, computer, etc...

...The single/combination of **dithering** technologies simultaneously optimizes grey-scale portrayal and minimizes **dithering** noise...

...The figure **shows** the **illustration** of cell-based **dithering** pattern ...

...Title Terms: **DITHER** ;

18/3,K/6 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014360758 **Image available**

WPI Acc No: 2002-181459/200224
XRPX Acc No: N02-137936
Dither **process circuit for** plasma **display panel, has** dither **coefficient generator generating** dither **coefficient corresponding to pixel position of each pixel group on screen**
Patent Assignee: PIONEER ELECTRONIC CORP (PIOE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001154630	A	20010608	JP 99332795	A	19991124	200224	B

Priority Applications (No Type Date): JP 99332795 A 19991124
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001154630	A		17	G09G-003/20	

Dither **process circuit for** plasma **display panel, has** dither **coefficient generator generating** dither **coefficient corresponding to pixel position of each pixel group on screen**
Abstract (Basic):
... A **dither** coefficient generator generates **dither** coefficient corresponding to pixel position of each pixel group on a screen. The **dither** coefficient is added to the pixel data based on video signal corresponding to each pixel. The **dither** coefficient generator changes the **dither** coefficient generation according to the brightness level of pixel data.
... For **plasma** display panel (PDP) of display device...

...Enables to perform favorable **dither** process which restrains generation of **dither** pattern...

...The figure **shows** the internal components of **dither** process circuit.
(Drawing includes non-English language text...
Title Terms: **DITHER** ;

18/3,K/7 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014349954 **Image available**
WPI Acc No: 2002-170657/200222
XRPX Acc No: N02-129804
Error diffusion dithering **system for** displaying **color image data in** flat panel **display, divides input matrix into input areas such that edge of each input area descends through diagonal of matrix**
Patent Assignee: WELLESLEY COLLEGE (WELL-N)
Inventor: METAXAS P T
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6307978	B1	20011023	US 9890106	A	19980603	200222	B

Priority Applications (No Type Date): US 9890106 A 19980603
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6307978	B1		12	G06K-009/36	

Error diffusion dithering **system for** displaying **color image data in** flat panel **display, divides input matrix into input areas such that edge of each input area descends...**

Abstract (Basic):
... An INDEPENDENT CLAIM is also included for error diffusion **dithering** method...

...For displaying color image data in cathode ray tube, **flat panel** displays and printers...

...systolic linear array of N processors is used in such a way that images are **dithered** faster than sequential error diffusion **dithering** techniques...

...The figure shows the diagrammatic representation of error diffusion **dithering** method...
...Title Terms: **DITHER** ;

18/3,K/8 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012924578 **Image available**
WPI Acc No: 2000-096414/200008
XRPX Acc No: N00-074439
Graphics controller for generating flat - panel **display signals in response to pixel data to cause display of images on** flat - panel **type display**
Patent Assignee: S3 INC (STHR-N)
Inventor: ISHII T
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6008794	A	19991228	US 9821718	A	19980210	200008	B

Priority Applications (No Type Date): US 9821718 A 19980210
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6008794	A		19	G09G-005/02	

Graphics controller for generating flat - panel **display signals in response to pixel data to cause display of images on** flat - panel **type display**

Abstract (Basic):
... A **dither** controller generates **dither** signals to cause stimulation in a set pattern, starting at a pattern origin point, of RGB components of certain pixels of the array of pixels. The **dither** controller responds to the distributed **dither** mode by generating a different pattern origin point for at least a first and a...
... frame rate control (FRC) logic (428) essentially modifies temporal relationships of the signals received from **dither** logic (420) by modifying the duty cycle at which the RGB components of tile pixels...

...In a field of graphics controllers for controlling **flat - panel** type

displays...

...Compensates for the physical characteristics of modern **flat - panel** type displays to provide visually pleasing images which are free of many of undesirable visual artifacts. Provides distributed and/or dynamic **dithering** to **render** smooth 256 grey-shade images on an associated **flat - panel** display...

...The drawing shows a block diagram portion of preferred **flat panel** interface. no claims...

... **dither** logic (420

18/3,K/9 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012897882 **Image available**
WPI Acc No: 2000-069717/200006
XRPX Acc No: N00-330368
Multiple gradation processing system - NoAbstract
Patent Assignee: LG ELECTRONICS INC (GLDS)
Inventor: YOON H; YOON H G
Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 98082888	A	19981205	KR 9717990	A	19970509	200006	B
US 6028588	A	20000222	US 9854473	A	19980403	200039	
KR 229616	B1	19991115	KR 9717990	A	19970509	200111	

Priority Applications (No Type Date): KR 9717990 A 19970509
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 98082888	A			G09G-003/36	
US 6028588	A		14	G09G-005/04	
KR 229616	B1			G09G-003/36	

Abstract (Basic):
... and low M bits. A function selector (31) receives low bit number signal and outputs **dither** method signal. A frame rate and **dither** timing generator (33) outputs **dither** timing bits. An adder (35) adds **dither** data bit and high M bits and outputs M data bits.
... The **dither** circuit includes a frame rate and **dither** timing generator which receives a clock signal, horizontal sync signals, vertical sync and **dither** method signals. After receiving the signals, generator outputs a **dither** timing bits to a frame rate **dither** controller whose output is added with a high M bits from a bit divider to output M output data bits. A controller (34) receives low L-M bits and outputs **dither** data bits...

...For reproducing multicolors in **LCD** .
...

...The figure **shows** **dither** controller for color **LCD** .

18/3,K/10 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011713119 **Image available**
WPI Acc No: 1998-130029/199812
Related WPI Acc No: 1995-090356
XRPX Acc No: N98-102674
Dithering **method for colour and grey scale** LCD **display for lap top and note book computer - with colour and/or brightness represented by number of illuminations of pixel in display time period and by spatial distribution of illuminated pixels**
Patent Assignee: IND TECHNOLOGY RES LAB (INTE-N)
Inventor: LIU C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5714974	A	19980203	US 92837636	A	19920214	199812	B
			US 94233029	A	19940425		

Priority Applications (No Type Date): US 92837636 A 19920214; US 94233029 A 19940425
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5714974	A		18	G09G-005/10	Cont of application US 92837636 Cont of patent US 5389948

Dithering **method for colour and grey scale** LCD **display for lap top and note book computer...**

...Abstract (Basic): The display uses a time dependent **dithering** technique with each pixel controlled to be illuminated only a certain number of times during a fixed display time period. **Dither** values are stored in an array of registers **representing** individual locations of a **dither** matrix. The matrix is associated with each equal sized non-overlapping array of illuminate-able pixels. Each **dither** matrix location is associated with a pixel of each array...

...The **dither** matrix is randomised by circulating each stored **dither** value from one register to a different register, new **dither** matrix location each frame period of a fixed interval of frame periods. Each frame generates coordinates for each pixel to be displayed. For each pixel a single **dither** value stored in the **dither** matrix is retrieved from a register. A pixel value is compared with the retrieved **dither** value in a comparator circuit. Each illuminate-able pixel is illuminated during the frame if the pixel value at least equals the retrieved **dither** value...
Title Terms: **DITHER** ;

18/3,K/11 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009693192 **Image available**
WPI Acc No: 1993-386746/199348
XRPX Acc No: N93-298616
Liquid **crystal** display **drive method -** displaying **pixel by** dither

method in which arbitrary two of fiducial voltage sets are switched per field to perform A-D conversion

Patent Assignee: CITIZEN WATCH CO LTD (CITL)
Inventor: AKIYAMA T
Number of Countries: 018 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9323785	A1	19931125	WO 93JP658	A	19930519	199348	B
EP 596137	A1	19940511	EP 93910359	A	19930519	199419	
			WO 93JP658	A	19930519		
EP 596137	A4	19960724	EP 93910359	A		199701	
US 6064361	A	20000516	WO 93JP658	A	19930519	200031	
			US 94175423	A	19940112		
JP 3288426	B2	20020604	JP 92150076	A	19920519	200240	
EP 596137	B1	20030108	EP 93910359	A	19930519	200304	
			WO 93JP658	A	19930519		
DE 69332622	E	20030213	DE 632622	A	19930519	200320	
			EP 93910359	A	19930519		
			WO 93JP658	A	19930519		

Priority Applications (No Type Date): JP 92150076 A 19920519
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9323785	A1	J	29	G02F-001/133	
Designated States (National): US					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
EP 596137	A1	E	23		Based on patent WO 9323785
Designated States (Regional): DE FR GB					
US 6064361	A			G09G-003/36	Based on patent WO 9327385
JP 3288426	B2		13	G02F-001/133	Previous Publ. patent JP 5323283
EP 596137	B1	E		G02F-001/133	Based on patent WO 9323785
Designated States (Regional): DE FR GB					
DE 69332622	E			G02F-001/133	Based on patent EP 596137
					Based on patent WO 9323785

Liquid **crystal** display **drive method**...

... displaying **pixel by** dither **method in which arbitrary two of fiducial voltage sets are switched per field to perform**

...Abstract (Basic): Four fiducial voltage sets are arranged for a 4-bit A/D converter (1). A **dither** method in which arbitrary two of the fiducial voltage sets are switched per field to...

...display of a first pixel. Likewise, for an adjacent second pixel, the representation by the **dither** method is made by the use of the remaining two fiducial voltage sets...

...Hence, with the application of the **dither** method of the different fiducial voltage sets between the adjacent pixels, the area gradation is generated, thus making a 64-gradational display possible by the **dither** method and area gradation...

...6) gives high-quality multi-gradational representation using small-sized A/D converter (1). Since **dither** cycle is 1/30 second, high quality display can be obtained without any flicker disturbance...

...Title Terms: **DITHER** ;

18/3,K/12 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX

008931090 **Image available**
WPI Acc No: 1992-058359/199208
XRPX Acc No: N92-044305
Colour display control apparatus for lap-top computer - converts display data having 64 gray scale levels for colour CRT output from RAMDAC into display data having 57 gray scale levels
Patent Assignee: TOSHIBA KK (TOKE); UCHIKOGA H (UCHI-I)
Inventor: SHIMAMOTO H; UCHIKOGA H; ZENDA H
Number of Countries: 010 Number of Patents: 010
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 471275	A	19920219	EP 91113214	A	19910806	199208	B
CA 2048702	A	19920210				199218	
AU 9181583	A	19920604	AU 9181583	A	19910805	199231	
CN 1060548	A	19920422	CN 91108859	A	19910809	199301	
AU 632957	B	19930114	AU 9181583	A	19910805	199309	
EP 471275	A3	19920708	EP 91113214	A	19910806	199334	
CA 2048702	C	19960319	CA 2048702	A	19910808	199622	
US 5552800	A	19960903	US 91740168	A	19910805	199641	
			US 94294614	A	19940823		
KR 9603962	B1	19960325	KR 9113744	A	19910809	199912	
JP 3137367	B2	20010219	JP 91180763	A	19910722	200112	

Priority Applications (No Type Date): JP 91180763 A 19910722; JP 90209341 A 19900809
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 471275	A				
Designated States (Regional): DE FR GB IT					
AU 9181583	A			G09G-003/18	
CN 1060548	A			G09G-003/36	
AU 632957	B			G09G-003/18	Previous Publ. patent AU 9181583
CA 2048702	C			G09G-005/04	
US 5552800	A		22	G09G-003/36	Cont of application US 91740168
KR 9603962	B1			G09G-003/36	
JP 3137367	B2		12	G09G-003/36	Previous Publ. patent JP 4356095

...Abstract (Basic): USE/ADVANTAGE - Lap top computer. Provides a colour **LCD** display control system for generating intermediate gray scales by a **dither** method and **displaying** data set in a CRT pallette on a colour **LCD** .

18/3,K/13 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX

008660388 **Image available**
WPI Acc No: 1991-164415/199122
XRPX Acc No: N91-125959
Visual display apparatus with clearly distinguishable annotations - comprises controller that displays image using at least two different visual display modes displaying **second image in** dither **pattern mode**

Patent Assignee: EDEN DESIGN GROUP LTD (EDEN-N); EDEN DESIGN GRP LTD (EDEN-N)
Inventor: RANDALL S
Number of Countries: 016 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9106937	A	19910516				199122 B
EP 534964	A1	19930407	EP 90915969	A	19901031	199314
			WO 90GB1669	A	19901031	
JP 5506515	W	19930922	JP 90514849	A	19901031	199343
			WO 90GB1669	A	19901031	
EP 534964	B1	19970528	EP 90915969	A	19901031	199726
			WO 90GB1669	A	19901031	
DE 69030818	E	19970703	DE 630818	A	19901031	199732
			EP 90915969	A	19901031	
			WO 90GB1669	A	19901031	

Priority Applications (No Type Date): GB 8924642 A 19891101
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9106937	A				
Designated States (National): JP KR US					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE					
EP 534964	A1	E	9	G09G-001/00	Based on patent WO 9106937
Designated States (Regional): DE FR GB IT					
JP 5506515	W			G09G-005/00	Based on patent WO 9106937
EP 534964	B1	E	8	G09G-001/00	Based on patent WO 9106937
Designated States (Regional): DE FR GB IT					
DE 69030818	E			G09G-001/00	Based on patent EP 534964
					Based on patent WO 9106937

... **comprises controller that displays image using at least two different visual display modes** displaying **second image in** dither **pattern mode**

...Abstract (Basic): A visual display apparatus comprises an **LCD** type display driven from a display driver and a data input interface that includes a translucent transducer pad overlaying the **LCD** display together with a manually movable stylus member. A controller controls the visual **LCD** display to display an image using at least two visually differentiable display modes. When a first and second image are displayed together on the **LCD** display, the second image comprises substantially annotations of the first image, that is to say...
...Title Terms: **DITHER** ;

21/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

06195007 **Image available**
PICTURE TAKE-IN DEVICE FOR PORTABLE INFORMATION TERMINAL

PUB. NO.: 11-136560 [JP 11136560 A]
PUBLISHED: May 21, 1999 (19990521)
INVENTOR(s): INOUE HITOSHI
APPLICANT(s): KYOCERA CORP
APPL. NO.: 09-315783 [JP 97315783]
FILED: October 31, 1997 (19971031)

ABSTRACT

... is already merchandised, and which can reduce the information quantity of picture data to be **transferred** compared with a former case.

SOLUTION: A **dither** image conversion circuit 3 is provided for the picture take-in device 12. Picture information...

...in by an image pickup element 1 is A/D-converted and is converted into **dither** image data. **Dither** image data is **transferred** to the portable information terminal 13 via an interface circuit 4. In the portable information terminal 13, **dither** image data is sent to a monochrome **liquid** crystal **display** part 8 via an interface circuit 5 and it is displayed. Since the picture information is converted into the **dither** image and is sent from the picture take-in device 12 to the portable information terminal 13, the image data **transfer** time can be reduced and an increase in costs can be suppressed since the special...

21/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

05988198 **Image available**
METHOD AND DEVICE FOR FACSIMILE TRANSMISSION OF IMAGE DATA

PUB. NO.: 10-271298 [JP 10271298 A]
PUBLISHED: October 09, 1998 (19981009)
INVENTOR(s): YAMAMOTO KAZUHIRO
TERANISHI ISAO
APPLICANT(s): KOKUSAI ELECTRIC CO LTD [000112] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-075077 [JP 9775077]
FILED: March 27, 1997 (19970327)

ABSTRACT

...SOLUTION: An image picked up by a video camera is not only displayed on an **LCD** display device but also temporarily latched in a VRAM 13. A touch panel 3A is attached to the display screen. Image data in the VRAM 13 is subjected to **dither** processing and is binarized. Meanwhile, hand-written graphics on the touch panel 3A are read and are temporarily latched in a VRAM 12. Hand-written graphics are **transmitted** by facsimile together with the binarized signal subjected to **dither** processing after being overwritten.

21/3,K/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013445911 **Image available**
WPI Acc No: 2000-617854/200059
XRPX Acc No: N00-457772
Real-time boresight error slope sensor in missile guidance, generates correction voltage corresponding to transfer **characteristics, based on which boresight error slope is reduced**
Patent Assignee: HORNBACK A B (HORN-I)
Inventor: HORNBACK A B
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6079666	A	20000627	US 86859033	A	19860425	200059	B

Priority Applications (No Type Date): US 86859033 A 19860425
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6079666	A		8	F41G-007/00	

Real-time boresight error slope sensor in missile guidance, generates correction voltage corresponding to transfer **characteristics, based on which boresight error slope is reduced**

Abstract (Basic):
... object within field-of-view and dynamic lag voltage is generated, based on video signal. **Dither** of boresight axis is formed using **dither** voltage. A computer (27) generates **transfer** characteristics corresponding to angle between line of sight and bore sight axis, to generate correction...
... Since boresight error slope is sensed by measuring curvature of **transfer** characteristics, this technique can be applied both to infrared seekers and radio frequency seekers. Since...

...measured and reduced even during high temperature gradients due to aerodynamic heating, frequency agility, ablation, **plasma** , erosion and irradiation by laser...
...Title Terms: **TRANSFER** ;

21/3,K/4 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012374064 **Image available**
WPI Acc No: 1999-180171/199915
XRPX Acc No: N99-132327
Display control method for portable computer
Patent Assignee: PHILIPS ELECTRONICS NORTH AMERICA CORP (PHIG)
Inventor: KOU W
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5874928	A	19990223	US 95519142	A	19950824	199915	B

Priority Applications (No Type Date): US 95519142 A 19950824
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 5874928   A   14 G09G-005/00

Abstract (Basic):
...   to obtain a second set of graphics data. The second set of graphics data is **transferred** via a write buffer (45), frame buffer (48) and read buffer (50) to a **dithering** engine (54). The **dithered** data is converted to second set of video signals which are **send** to an **LCD** by a **flat panel** controller (56).
...   data are received and stored in a display memory (36). The stored graphics data are **transferred** from display memory to video buffer (38). The graphics data are output to a data...

...a first set of video signals. The converted analog portion of the video signal is **transmitted** to a CRT. An INDEPENDENT CLAIM for display controller is also provided...

... **Dithering** engine (54...

... **Flat panel** controller (56

21/3,K/5 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012129724 **Image available**
WPI Acc No: 1998-546636/199847
XRPX Acc No: N98-425866
LCD device for displaying image data of different size formats e.g. XGA, SVGA, VGA - has controller which reads and sends **all data, stored in memories, to** LCD **module based on superscribed address corresponding to screen**
Patent Assignee: SANYO ELECTRIC CO LTD (SAOL); TOTTORI SANYO DENKI KK (TOTT); TOTTORI SANYO ELECTRIC CO LTD (TOTT)
Inventor: IGA T; INOUE K; INOUE T; TOGAWA S
Number of Countries: 002 Number of Patents: 002
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
JP 10240202 A 19980911 JP 9790610 A 19970409 199847 B
US 6278437 B1 20010821 US 97997513 A 19971223 200150

Priority Applications (No Type Date): JP 96343714 A 19961224
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 10240202 A   21 G09G-003/36
US 6278437 B1   G09G-005/10
LCD device for displaying image data of different size formats e.g. XGA, SVGA, VGA...

...**has controller which reads and** sends **all data, stored in memories, to** LCD **module based on superscribed address corresponding to screen**

...Abstract (Basic): displays a non-image area, generated by displaying a screen which is smaller than the **LCD** screen, on the **LCD** screen in a

specific colour. It has a controller having rewritable memories (91-94), a...

...write-in unit writes the specific colour data to the entire address, corresponding to the **LCD** screen, of the memories...

...by input image data. The controller reads all the data stored by the memories and **sends** the data to an **LCD** module...

...every frame. Simplifies display enlargement process, and enables displaying of half tone image data. Enables **dither** pattern to be output for every screen depending on gradation of input image data. Increases...

Title Terms: **LCD** ;

21/3,K/6 **(Item 4 from** file: 350)

DIALOG(R)File 350:Derwent WPIX

011703214 **Image available**

WPI Acc No: 1998-120124/199811

XRPX Acc No: N98-095580

Adaptive dithering **circuit for e.g.** liquid **crystal** displays - **includes adjuster which receives** dither **input video signal and generates** dithered **output buy adjusting input video signal to available primary shade**

Patent Assignee: CIRRUS LOGIC INC (CIRR-N)

Inventor: EGLIT A J; HAN R S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5712657	A	19980127	US 95412158	A	19950328	199811	B

Priority Applications (No Type Date): US 95412158 A 19950328

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5712657	A		17	G09G-005/10	

Adaptive dithering **circuit for e.g.** liquid **crystal** displays - ...

...**includes adjuster which receives** dither **input video signal and generates** dithered **output buy adjusting input video signal to available primary shade**

...Abstract (Basic): The **dithering** circuit includes an input signal analyser to receive the input video signal and to produce...

...select signal as a function of a desired shade and the available primary shades. A **dither** generator generates a series of **dithering** signals ...

...A combiner circuit is used to select one of the **dithering** signals based on the select signal and to combine the input video signal with the selected **dithering** signal to generate a **dithered** input video signal. An adjustor receives the **dither** input video signal and generates the **dithered** output signal by adjusting the **dithered** input video signal to one of the available primary shades...

...ADVANTAGE - Overall quantising **transfer** function can be achieved which is linear for all values of the input video signal...
...Title Terms: **DITHER** ;

21/3,K/7 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011515717 **Image available**
WPI Acc No: 1997-492203/199746
XRPX Acc No: N97-409693
Plasma **processing chamber using planar magnetron source - has ring and epicyclic gears widening region of target affected by magnetic field**
Patent Assignee: APPLIED MATERIALS INC (MATE-N)
Inventor: HUO D D
Number of Countries: 009 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 801416	A1	19971015	EP 97302164	A	19970327	199746	B
JP 10030180	A	19980203	JP 9791021	A	19970409	199815	
TW 333656	A	19980611	TW 97104195	A	19970401	199844	
KR 97072164	A	19971107	KR 9713127	A	19970410	199846	

Priority Applications (No Type Date): US 96630219 A 19960410
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 801416	A1	E	11	H01J-037/34	
Designated States (Regional): BE DE FR GB IE IT					
JP 10030180	A		9	C23C-014/35	
TW 333656	A			H01L-021/00	
KR 97072164	A			H01L-021/306	

Plasma **processing chamber using planar magnetron source**...

...Abstract (Basic): controlled by a gear arrangement and shafts with seals which enable the rotation to be **transmitted** into the source adapter housing to prevent coolant leakage. A detector senses the magnetic field...

...used is 5-4, the epicyclic motion of the magnet assembly having the effect of **dithering** the magnetic field to broaden the sputtering grooves formed in the target, allowing more of...

...USE - Chamber relates to sputtering deposition systems and to a planar magnetron source in a **plasma** processing chamber e.g. used to process semiconductor wafers and other substrates...
Title Terms: **PLASMA** ;

24/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012129724 **Image available**
WPI Acc No: 1998-546636/199847
XRPX Acc No: N98-425866
LCD device for displaying image data of different size formats e.g. XGA, SVGA, VGA - has controller which reads and sends **all** data , **stored in memories, to** LCD **module based on superscribed address corresponding to screen**
Patent Assignee: SANYO ELECTRIC CO LTD (SAOL); TOTTORI SANYO DENKI KK (TOTT); TOTTORI SANYO ELECTRIC CO LTD (TOTT)
Inventor: IGA T; INOUE K; INOUE T; TOGAWA S
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10240202	A	19980911	JP 9790610	A	19970409	199847	B
US 6278437	B1	20010821	US 97997513	A	19971223	200150	

Priority Applications (No Type Date): JP 96343714 A 19961224
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10240202	A		21	G09G-003/36	
US 6278437	B1			G09G-005/10	

LCD device for displaying image data of different size formats e.g. XGA, SVGA, VGA...

...**has controller which reads and** sends **all** data , **stored in memories, to** LCD **module based on superscribed address corresponding to screen**

...Abstract (Basic): displays a non-image area, generated by displaying a screen which is smaller than the **LCD** screen, on the **LCD** screen in a specific colour. It has a controller having rewritable memories (91-94), a...

...write-in unit writes the specific colour data to the entire address, corresponding to the **LCD** screen, of the memories...

...by input image data. The controller reads all the data stored by the memories and **sends** the **data** to an **LCD** module...

...does not need to be rewritten on every frame. Simplifies display enlargement process, and enables **displaying** of **half tone** image data. Enables dither pattern to be output for every screen depending on gradation of...
Title Terms: **LCD** ;

24/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011570080 **Image available**
WPI Acc No: 1997-546561/199750
XRPX Acc No: N97-455456
Navigation apparatus with facsimile function for vehicle - includes

second display unit which has LCD indicator using which, message data received by wireless communication unit is displayed

Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9264749	A	19971007	JP 9675022	A	19960328	199750	B

Priority Applications (No Type Date): JP 9675022 A 19960328
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9264749	A		26	G01C-021/00	

... **includes second display unit which has** LCD **indicator using which, message data received by wireless communication unit is displayed**

...Abstract (Basic): A first display unit displays the colour map image. A second detector detects a map **image transmitting** request from the passenger of the moving body. A cutting unit cuts a predetermined area ...

...detector detects the transmitting request. A digitisation false gray image is obtained and a false **half tone** image is **presented** based on the cut predetermined area in the colour map image...

...for sending to a partner by synthesising digitisation false gray image. A wireless communication unit **transmits** the formed **image** to a partner. The wire communication unit receives the message from arbitrary partners. A second display unit has a **LCD** indicator (5) using which the message received by the communication unit is displayed ...

...ADVANTAGE - Enables to transmit and receive message to/from partner, easily. Reduces **image** distortion. Enables to **transmit** /receive message at high speed...
...Title Terms: **LCD** ;

24/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010114155 **Image available**
WPI Acc No: 1995-015406/199503
XRPX Acc No: N95-012142
Display control appts. partic. for liquid **crystal** display **- uses non-interlaced scanning within band and interlaced scanning in band units**
Patent Assignee: CANON KK (CANO)
Inventor: ARATANI S; OHSHIMA M; SUGA K
Number of Countries: 009 Number of Patents: 009
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 626672	A2	19941130	EP 94303710	A	19940524	199503	B
JP 6332417	A	19941202	JP 93122501	A	19930525	199508	
JP 6334847	A	19941202	JP 93122502	A	19930525	199508	
EP 626672	A3	19950308	EP 94303710	A	19940524	199542	
US 5701135	A	19971223	US 94246724	A	19940520	199806	
EP 626672	B1	19981209	EP 94303710	A	19940524	199902	

DE 69415078	E	19990121	DE 615078	A	19940524	199909
			EP 94303710	A	19940524	
JP 3106033	B2	20001106	JP 93122501	A	19930525	200059
JP 3209379	B2	20010917	JP 93122502	A	19930525	200156

Priority Applications (No Type Date): JP 93122502 A 19930525; JP 93122501 A 19930525

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 626672	A2	E	34	G09G-003/36	
Designated States (Regional): DE ES FR GB IT NL SE					
JP 6332417	A		13	G09G-005/00	
JP 6334847	A		8	H04N-001/40	
EP 626672	A3			G09G-003/36	
US 5701135	A		31	H04N-001/00	
EP 626672	B1	E		G09G-003/36	
Designated States (Regional): DE ES FR GB IT NL SE					
DE 69415078	E			G09G-003/36	Based on patent EP 626672
JP 3106033	B2		12	G09G-003/20	Previous Publ. patent JP 6332417
JP 3209379	B2		8	H04N-001/405	Previous Publ. patent JP 6334847

Display control appts. partic. for liquid **crystal** display -

...Abstract (Basic): is an image processor for data in units of a band and a system to **transfer** processed **data** to a display...

...USE/ADVANTAGE - Partic. for **displaying half tones** in ferroelectric **liquid** crystal **display** . Improves image quality...

...Abstract (Equivalent): is an image processor for data in units of a band and a system to **transfer** processed **data** to a display...

...USE/ADVANTAGE - Partic. for **displaying half tones** in ferroelectric **liquid** crystal **display** . Improves image quality...

31/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

03921174 **Image available**
IMAGE PROCESSOR

PUB. NO.: 04-286274 [JP 4286274 A]
PUBLISHED: October 12, 1992 (19921012)
INVENTOR(s): ITO SHUJI
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-074634 [JP 9174634]
FILED: March 14, 1991 (19910314)
JOURNAL: Section: E, Section No. 1325, Vol. 17, No. 94, Pg. 3, February 24, 1993 (19930224)

...JAPIO CLASS: **Computer** Applications)

ABSTRACT

... thinned by a specified variable power rate at every dither matrix so as to be **transferred** to an another area. When the respective binarized dither matrixes such as nine dither matrixes...

... image elements, for example, are simply executed thinning, a black line part is thinned as **shown** in the **dither** matrixes 32 so as to break the dither matrixes. Then, information is reduced by thinning by a **dither** matrix unit as **shown** in the **dither** matrixes 34. This way of thinning or an interpolation is executed by changing the size...

31/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

03145561 **Image available**
INFORMATION PROCESSOR

PUB. NO.: 02-121061 [JP 2121061 A]
PUBLISHED: May 08, 1990 (19900508)
INVENTOR(s): SASOU SACHIYO
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-275213 [JP 88275213]
FILED: October 31, 1988 (19881031)
JOURNAL: Section: P, Section No. 1082, Vol. 14, No. 343, Pg. 103, July 25, 1990 (19900725)

...JAPIO CLASS: **Computer** Applications); 44.7 (COMMUNICATION
...JAPIO KEYWORD:Charge **Transfer** Elements, CCD & BBD)

ABSTRACT

PURPOSE: To appropriately and promptly **display** the plural types of the pieces picture information on the areas of a **display screen** designated at the respective types by displaying picture information according to retrieved and outputted information...
... executing processing such as extension for the picture information, and the restored picture information is **displayed** through a **display** memory

73, etc., onto a **display** device 77. At this time, the picture information of picture attribute corresponding to the each area on the **display screen** which is set correspondingly to the picture attribute of the picture information is **displayed** on the area. Namely, while an applicable binary picture is **displayed** on the area of a **display** attribute set for **displaying** the binary picture, a **dither** picture corresponding to the area of another **display** attribute set for **displaying** the **dither** picture is **displayed** on the area. Thus, even when the plural types of the pieces of picture information...

... having different picture attributes coexist, these pieces of picture information can be appropriately and promptly **displayed** according to the picture attributes of these pieces of picture information.

31/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

02588337 **Image available**
IMAGE PROCESSING APPARATUS

PUB. NO.: 63-205237 [JP 63205237 A]
PUBLISHED: August 24, 1988 (19880824)
INVENTOR(s): OSAWA HIDESHI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 62-038087 [JP 8738087]
FILED: February 23, 1987 (19870223)
JOURNAL: Section: M, Section No. 777, Vol. 12, No. 485, Pg. 47, December 19, 1988 (19881219)

...JAPIO CLASS: **Computer** Applications)
...JAPIO KEYWORD:Charge **Transfer** Elements, CCD & BBD)

ABSTRACT

... character or line drawing. A medium constrast processing circuit 5 successively compares the threshold value **shown** by a **dither** matrix with the image data 6 according to a dither method to reproduce the medium...

31/3,K/4 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014769261 **Image available**
WPI Acc No: 2002-589965/200263
Related WPI Acc No: 2001-590208; 2002-392628; 2002-584019; 2003-467060
XRPX Acc No: N02-468192
Color image displaying method using world wide web involves estimating gamma for display **device based on user selection of one of gray elements that most likely blend with dithered gray background**
Patent Assignee: IMATION CORP (IMAT)
Inventor: EDGE C J; FISCHER T A
Number of Countries: 022 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020080147	A1	20020627	US 2000193725	P	20000331	200263	B

			US 2000246890	P	20001108	
			US 2001778515	A	20010207	
WO 200263458	A1	20020815	WO 2001US20518	A	20010628	200263
EP 1358540	A1	20031105	EP 2001950571	A	20010628	200377
			WO 2001US20518	A	20010628	

Priority Applications (No Type Date): US 2001778515 A 20010207; US 2000193725 P 20000331; US 2000246890 P 20001108

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020080147	A1		30	G09G-005/02	Provisional application US 2000193725
					Provisional application US 2000246890
WO 200263458	A1	E		G06F-003/14	
					Designated States (National): JP
					Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
EP 1358540	A1	E		G06F-003/14	Based on patent WO 200263458
					Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Color image displaying method using world wide web involves estimating gamma for display **device based on user selection of one of gray elements that most likely blend with...**

Abstract (Basic):

... The method involves producing the gray elements and a **dithered** gray background **representing** a gray level of approximately 25 to 40 percent, on a **display** device. A predetermined gamma is estimated on the **display** device based on the user selection of one gray element that most likely blend with...

... a) a color image **display** system...

...b) and a **computer** -readable medium which stores instructions for displaying color image...

...applicable for **display** of color image on a **display** device using world wide web...

...Enables color image server to provide color corrected images without requiring **transfer** of color corrected images between clients and color image server. Improves color image **display** accuracy on a world wide web. Obtains accurate characterization of overall colorimetric response of **display** device...

...The figure shows the block diagram of web-based environment in which a color image **display** system is applied...

...Title Terms: **DISPLAY** ;

31/3,K/5 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

008763379 **Image available**

WPI Acc No: 1991-267393/199136

Related WPI Acc No: 1993-182017

XRPX Acc No: N91-204154

Digital half-toning, using correlated visual modulation patterns - improves half-tone image quality by combining min. visual modulation patterns and correlated clustered dot algorithms

Patent Assignee: EASTMAN KODAK CO (EAST)
Inventor: RAY L A; SULLIVAN J R
Number of Countries: 014 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9112686	A	19910822				199136	B
EP 514478	A1	19921125	EP 91904716	A	19910130	199248	
			WO 91US576	A	19910130		
JP 5504035	W	19930624	JP 91504460	A	19910130	199330	
			WO 91US576	A	19910130		
EP 514478	B1	19950920	EP 91904716	A	19910130	199542	
			WO 91US576	A	19910130		
DE 69113254	E	19951026	DE 613254	A	19910130	199548	
			EP 91904716	A	19910130		
			WO 91US576	A	19910130		
JP 3154240	B2	20010409	JP 91504460	A	19910130	200122	
			WO 91US576	A	19910130		

Priority Applications (No Type Date): US 90540540 A 19900529; US 90476090 A 19900207
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9112686	A				
Designated States (National): JP					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE					
EP 514478	A1	E	25	H04N-001/40	Based on patent WO 9112686
Designated States (Regional): DE FR GB					
JP 5504035	W			H04N-001/40	Based on patent WO 9112686
EP 514478	B1	E	16	H04N-001/40	Based on patent WO 9112686
Designated States (Regional): DE FR GB					
DE 69113254	E			H04N-001/40	Based on patent EP 514478
					Based on patent WO 9112686
JP 3154240	B2		9	H04N-001/405	Previous Publ. patent JP 5504035
					Based on patent WO 9112686

...Abstract (Basic): Stochastic annealing, a minimisation technique used when combining USE/ADVANTAGE - In **computer** -generated graphics and systems producing binary outputs from continuous tone inputs. Does not **show** periodic patterns of ' **dithering** ' technique, or correlated directional noise of 'error diffusion' methods. (25pp Dwg.No 6/7)
...Abstract (Equivalent): A method of generating a halftone image with an electronic digital **computer** , characterised by the steps of: (a) providing a set of correlated minimal visual noise NxN binary patterns, determined by employing a stochastic minimisation technique, a human visual system modulation **transfer** function (MTF) weighting and a constraint in the stochastic minimisation technique that limits the possible...

31/3,K/6 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

007586125 **Image available**
WPI Acc No: 1988-220057/198831
Related WPI Acc No: 1992-331243; 1993-336291; 1997-393114

XRPX Acc No: N88-167767
Cinematic dithering appts. for television **system e.g. NTSC - generates improved p-phase cinematic dither corresp. to desired value of p and to free choice in number of dither sizes**
Patent Assignee: QUANTICON INC (QUAN-N)
Inventor: LIPPEL B
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 4758893	A	19880719	US 85779254	A	19850923	198831	B

Priority Applications (No Type Date): US 85779254 A 19850923
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4758893	A		17		

Cinematic dithering appts. for television **system e.g. NTSC...**

...Abstract (Basic): The cinematic dither appts. comprises a device for generating a stream of signals **representing** a continually repeated series of **dither** samples. The series comprises p phases, the signals indicating one of Q discrete sizes for...

...corresp. to an arbitrary frame pattern. Successive phases are synchronised with successive frames of the **television** signal. A device including a modulo-Q summer modifies the signals of the first phase...

...USE/ADVANTAGE - Permits coarse quantisation of Nyquist samples **transmitting** **TV** luminance or chrominance in analog or digital signals...
...Title Terms: **TELEVISION** ;

31/3,K/7 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

003599358
WPI Acc No: 1983-E7556K/198314
XRPX Acc No: N83-062190
Video signal processor of ordered dither images - provides flickerless ordered dither image for video display **in interlaced field format**
Patent Assignee: BELL TELEPHONE LAB INC (AMTT)
Inventor: SAUTTER H O; SWICKER D B
Number of Countries: 007 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 4377821	A	19830322				198314	B
WO 8301168	A	19830331				198314	
EP 88785	A	19830921	EP 82902856	A	19820823	198339	
JP 58501531	W	19830908				198342	
CA 1183941	A	19850312				198515	
EP 88785	B	19890712				198928	
DE 3279821	G	19890817				198934	

Priority Applications (No Type Date): US 81305165 A 19810924
Patent Details:

Patent No Kind Lan Pg   Main IPC   Filing Notes
US 4377821   A   9
WO 8301168   A E
   Designated States (National): JP
   Designated States (Regional): DE FR GB NL
EP 88785   A E
   Designated States (Regional): DE FR GB NL
EP 88785   B E
   Designated States (Regional): DE FR GB NL

... **provides flickerless ordered dither image for video** display **in interlaced field format**

...Abstract (Basic): The flickerless video **display** for a gray scale image is obtained using binary picture elements in an interlaced field format. The flicker is eliminated by causing each **display** point on a line of the interlaced field to be vertically paired with and have an intensity equal to a **display** point which is located on an adjacent line...

...Incorporating this arrangement into a **display** system involves a modification only to the **transmitter** . An image signal is produced and has multiple picture elements. A signal, **representing** a matrix of ordered **dither** **display** points from the image signal, is generated. Numerous ordered rows are arranged in the matrix of ordered dither **display** points...
...Title Terms: **DISPLAY** ;

31/3,K/8 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

001500846
WPI Acc No: 1976-G3768X/197628
Video display **image transmission system - minimises bandwidth and image transmission time in threshold bilevel processing**
Patent Assignee: BELL TELEPHONE LAB INC (AMTT)
Number of Countries: 008 Number of Patents: 009
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 3967052	A	19760629				197628	B
BE 844206	A	19761116				197649	
DE 2631527	A	19770203				197706	
NL 7607698	A	19770119				197706	
SE 7607776	A	19770214				197709	
FR 2318546	A	19770318				197717	
GB 1547483	A	19790620				197925	
CA 1090463	A	19801125				198051	
DE 2631527	C	19860220				198609	

Priority Applications (No Type Date): US 75596954 A 19750717

Video display **image transmission system...**

...Abstract (Basic): scanned in a matrix of picture elements, each corresponding to a different cell of the **display** medium. A dither threshold value is assigned to each picture element from a

predetermined dither...

...any given picture element is greater than the dither threshold value assigned thereto, the corresponding **display** cell is turned on. The state of the cell corresponding to each picture element is **represented** by a **dithered** image bit. The bandwidth and/or time required to **transmit** the image to a remote **display** medium is reduced by assembling in respective groups dithered image bits wh ich correspond to...

...Title Terms: **DISPLAY** ;

37/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

05696876 **Image available**
IMAGE **DISPLAY** DEVICE

PUB. NO.: 09-311676 [JP 9311676 A]
PUBLISHED: December 02, 1997 (19971202)
INVENTOR(s): MIYAMOTO KATSUHIRO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-123586 [JP 96123586]
FILED: May 17, 1996 (19960517)

IMAGE **DISPLAY** DEVICE

INTL CLASS: **G09G-005/36** ; **G09G-003/36** ; **G09G-005/00** ; **G09G-005/00** ; **G09G-005/10** ; H04N-001/405

ABSTRACT

PROBLEM TO BE SOLVED: To provide an image **display** device by which an optimum dither half-tone processing can be carried out when the **display** position in an input video signal is changed, when the input video signal is an...
...SOLUTION: On the basis of **half tone display** color **displaying** ability provided in a **display** device, data related to the number of **display** colors provided in a video signal, sorts and a **transfer** speed of the video signal, a changing quantity of a **display** area, and the like, a dither threshold value used in a dither half tone processing...

... value, an output value of the dither half tone processing circuit 4 in the same **display** position as the previous frame is used as a reference.

37/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

05224218 **Image available**
DISPLAY DEVICE

PUB. NO.: 08-179718 [JP 8179718 A]
PUBLISHED: July 12, 1996 (19960712)
INVENTOR(s): SHIRAISHI YASUSHI
APPLICANT(s): SHARP CORP [000504] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 06-323431 [JP 94323431]
FILED: December 26, 1994 (19941226)

DISPLAY DEVICE

INTL CLASS: **G09G-003/20** ; G02F-001/133; **G09G-003/36**

ABSTRACT

PURPOSE: To provide a **display** device in which a **display** of a half tone can be performed on a **display** panel without increasing the number of

signal lines for connecting a **display** unit to a control unit...

...CONSTITUTION: A **display** device 51 capable of **displaying** of a **half tone** has a **display** unit 52 including a color look-up table 62 for storing a gradation **display** data for displaying on each picture element in a **display** picture element 66. A signal line for **transmitting** a signal showing the address of neutral tint data constituted by each gradation **display** data stored in the color look-up table 62 and a signal line for **transmitting** a signal for controlling the **display** unit 52 are used to connect the **display** unit 52 to a control unit 53, whereby the **display** of neutral tint can be performed on a **display** panel 56.

37/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

04708395 **Image available**
RANGE CLIPPING METHOD, DEVICE THEREFOR AND **DISPLAY** DEVICE

PUB. NO.: 07-028995 [JP 7028995 A]
PUBLISHED: January 31, 1995 (19950131)
INVENTOR(s): UIRIAMU KURAAKU NEIRAA JIYUNIA
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 06-013255 [JP 9413255]
FILED: January 11, 1994 (19940111)
PRIORITY: 6764 [AU 936764], AU (Australia), January 11, 1993 (19930111)

RANGE CLIPPING METHOD, DEVICE THEREFOR AND **DISPLAY** DEVICE

INTL CLASS: G06T-005/00; G06T-001/00; G06T-011/00; **G09G-005/36**
...JAPIO CLASS: **Computer** Applications)

ABSTRACT
PURPOSE: To **display** pictures with a high reproduction rate by forming a volume surrounding output colors mapped in...
... reappearance) unit 16 connected to a control channel 17 changes input RGB pixel data and **sends** changed picture elements and synchronization information to a medium tone generation unit 25. The output colors **displayed** by a **display** device are mapped in the three-dimensional vector space and the volume surrounding the entire output colors of the **display** device is formed. Then, the respective input colors are mapped in the three-dimensional vector...

... the surface. Then, the medium tone generation unit 25 turns the input color to the **halftone** and outputs it to a **rendering** unit output bus 23.

37/3,K/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO

04426242 **Image available**
IMAGE PROCESSOR

PUB. NO.: 06-070142 [JP 6070142 A]
PUBLISHED: March 11, 1994 (19940311)

INVENTOR(s): NAKADA TOMOYUKI
APPLICANT(s): OMRON CORP [000294] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-122838 [JP 92122838]
FILED: April 17, 1992 (19920417)
JOURNAL: Section: E, Section No. 1563, Vol. 18, No. 320, Pg. 21, June 17, 1994 (19940617)

INTL CLASS: H04N-001/40; H04N-001/40; G06F-015/68; **G09G-005/00**
...JAPIO CLASS: **Computer** Applications)
...JAPIO KEYWORD:Charge **Transfer** Elements, CCD & BBD)

ABSTRACT

PURPOSE: To provide an excellent image processor which can **show** the smooth **halftone** gradation with suppression of the conspicuous level difference of gradations by using an error scattering...
... analog signals of the sensor 11 into the multilevel data. A gradation converting part 13 **transmits** the remainder produced when the multilevel data on an optional picture element is divided by...

... parts 12-14 and supplies the image information undergone the error scattering processing to a **display** device 2.

37/3,K/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO

03063695 **Image available**
DISPLAY SYSTEM FOR MULTI-VALUED IMAGE

PUB. NO.: 02-039195 [JP 2039195 A]
PUBLISHED: February 08, 1990 (19900208)
INVENTOR(s): FUKUDA KOJI
HINO MASATOSHI
TAKEDA HARUO
MACHIDA TETSUO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-188421 [JP 88188421]
FILED: July 29, 1988 (19880729)
JOURNAL: Section: P, Section No. 1039, Vol. 14, No. 195, Pg. 151, April 20, 1990 (19900420)

DISPLAY SYSTEM FOR MULTI-VALUED IMAGE

INTL CLASS: **G09G-005/36** ; H04N-001/40

ABSTRACT

...up the retrieval of a multi-valued image and to make it efficient in a **display** impossible of **displaying** a **half tone** by providing the title system with a function capable of controlling the switching of a...

... a dither matrix can be changed from the MPU 1. The multi-valued images are **transferred** to a **display** control part 7 through the system bus 3 in each plane and successively written in a video memory (VRAM) 8 in accordance with the dither matrix 6. Thereby, an image **displayed** on a **CRT** 9 is changed in each **transferred** plane. Consequently, the outline

of **display** data can be quickly known at the time of retrieving data.

37/3,K/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO

01080393 **Image available**
HALF TONE DISPLAYING CIRCUIT

PUB. NO.: 58-017793 [JP 58017793 A]
PUBLISHED: February 02, 1983 (19830202)
INVENTOR(s): IWADE MOTOO
APPLICANT(s): ISE ELECTRONICS CORP [365052] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 56-115298 [JP 81115298]
FILED: July 24, 1981 (19810724)
JOURNAL: Section: E, Section No. 171, Vol. 07, No. 94, Pg. 90, April 20, 1983 (19830420)

HALF TONE DISPLAYING CIRCUIT

INTL CLASS: H04N-005/66; **G09G-003/20**
...JAPIO CLASS: **Television**); 44.9 (COMMUNICATION

ABSTRACT
... width which is proportional to an analog signal and to control the gradation of a **displayed** picture to make the graduation into no step state by storing the amplitude of video...

...gates of the FETs 5(sub a)-5(sub n) are connected to a common **transfer** signal terminal 2(sub b). Furthermore, condensers 6(sub a)-6(sub n) are connected...

...s) which inputs a saw tooth wave is commonly connected and the gradation of a **displayed** picture is controlled to make the graduation into no step state.
?

```
File 348:EUROPEAN PATENTS 1978-2004/Aug W03
         (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040826,UT=20040819
         (c) 2004 WIPO/Univentio

Set     Items   Description
S1     172228   FLATSCREEN? OR LCD?? OR (LIQUID??(2N)DISPLAY??) OR PLASMA??
              OR (FLAT(2N)(TV? ? OR TELEVISION?? OR MONITOR? ? OR COMPUTER?
              ? OR SCREEN?? OR PANEL??)) OR FLATPANEL??
S2       1174   (OLED?? OR BACKLIT??)(2N)(SCREEN?? OR DISPLAY?? OR MONITOR-
             ?? OR COMPUTER??)
S3     619408   TV? ? OR TELEVISION?? OR MONITOR? ? OR COMPUTER? ? OR DISP-
             LAY?? OR CRT?? OR SCREEN??
S4       4893   DITHER???
S5       6972   HALF()TONING OR HALFTONING OR HALF()TONE? ? OR HALFTONE? ?
S6     304977   PATTERN????
S7        888   (REPRESENT??? OR SHOW??? OR PRESENT????? OR IMAGING?? OR D-
             ISPLAYING?? OR VISUALI???? OR RENDER??? OR ILLUSTRAT??? OR VI-
             EW???)(3N)S4
S8       1481   (REPRESENT??? OR SHOW??? OR PRESENT????? OR IMAGING?? OR D-
             ISPLAYING?? OR VISUALI???? OR RENDER??? OR ILLUSTRAT??? OR VI-
             EW???)(3N)S5
S9     203554   (TRANSMIT???? OR SEND??? OR TRANSFER???)(3N)(DATA?? OR INF-
             ORMATION?? OR FILE?? OR SOFTWAR?? OR RECORD?? OR CODE?? OR IM-
             AG??)
S10      4395   (FIRST?? OR INITIAL??)(2N)(REPRESENTATION??)
S11      3704   (SECOND?? OR 2ND?? OR SUBSEQUENT??)(2N)(REPRESENTATION??)
S12         5   AU=(BEN-DAVID G? OR BEN-DAVID, G?)
S13         1   S12 AND (S4 OR S5)
S14    172444   S1 OR S2
S15        78   S14(9N)S4
S16       176   S14(S)S4
S17        39   S14(S)S7
S18        11   S17(S)(TRANSMIT???? OR SEND??? OR TRANSFER???)
S19        22   S17 AND IC=G09G?
S20        20   S19 NOT S18
S21        11   S20 NOT AD=20010221:20040830/PR
S22        60   S14(S)S8
S23         6   S22(S)(TRANSMIT???? OR SEND??? OR TRANSFER???)
S24         6   S23 NOT S21
S25         6   S24 NOT S18
S26      1357   S3(S)S4
S27       181   S3(S)S7
S28        27   S27(S)(TRANSMIT???? OR SEND??? OR TRANSFER???)
S29        23   S28 NOT (S18 OR S21 OR S23)
S30        18   S29 NOT AD=20010221:20040830/PR
S31       565   S3(S)S8
S32        21   S31(S)S9
S33         3   S32 AND IC=G09G?
S34    681023   S14 OR S3
S35      1280   S34(S)(S10 OR S11)
S36        10   S35(S)(S4 OR S5)
S37         4   S36 NOT (S18 OR S21 OR S23 OR 29)
```

13/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00950476 **Image available**

METHODS AND APPARATUS FOR TRANSMITTING DATA OVER GRAPHIC DISPLAYS

PROCEDES ET DISPOSITIF PERMETTANT DE TRANSMETTRE DES DONNEES SUR DES AFFICHAGES GRAPHIQUES

Patent Applicant/Assignee:
SEE-RT LTD, Tziporit Ind. Park, Zvi Park, POB 732, 17106 Nazareth Illit, IL, IL (Residence), IL (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
BEN-DAVID Gal , Hazait Street 238, 17940 Mitzpe Adi, IL, IL (Residence), IL (Nationality), (Designated only for: US
Legal Representative:
EITAN PEARL LATZER & COHEN-ZEDEK (et al) (agent), Gav Yam Center 2, Shenkar Street 7, 46725 Herzlia, IL,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200284635 A1 20021024 (WO 0284635)
Application: WO 2002IL299 20020411 (PCT/WO IL0200299)
Priority Application: US 2001834907 20010416
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 11236

Patent Applicant/Inventor:
BEN-DAVID Gal ...
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... Still further in accordance with a preferred embodiment of the present invention, the modulating includes **dithering** the light transmission.

Additionally in accordance with a preferred embodiment of the present invention, the...segments is corrected, such as by means of a Look-Up-Table (LUT) or by **dithering** at least one of the light segments.

BRIEF DESCRIPTION OF THE DRAWINGS
The present inventionkAill...with an embodiment of the invention;
Fig. 9 is an illustration of a comparison of **dither** with gray scale;
Fig. I 0 is a simplified block diagram illustration of the receiver... seen in Fig. 8.

Use of transfer compensation device 155 may be obviated by using

dithering techrliques. **Dithering** is a known method for the perceptual representation of color and gray levels by lower resolution levels, mostly black and white. An example of **dithering** is shown in Fig. 9, where the same command is given by either gray level or by a **dithered** frame. The **dithering** approach is used here to improve the ...to Figs. 7 and 8, respectively, or by using a one-dimensional black and white **dither** .

The decay period of the phosphor complicates the possibility of using channel symbol-periods that...is the accumulation of responses from more and more pixels. Due to the advantages of **dither** or the LUT compensation described hereinabove with reference to Fig. 8, a peak value 252...9, non-linearity compensation 501 of the channel may be accomplished by a one-dimensional **dither** . This means, for example, that instead of the three segments 201, 202 and 203 (shown...

...the segments are constructed of a mixture of black and white pixels. One advantage of **dithering** is that it improves the linear response of the system, as
28
mentioned hereinabove. Yet...case of non-unifon-n transmission timing. Non-linearity may be corrected by LUT or **dithering** , for example.

1 5 It will be appreciated by persons skilled in the art that...

Claim
... Look-Up-Table (LUT).

11 The method according to claim 3 wherein said modulating comprises **dithering** said light transmission.

12 The method according to claim 3 wherein said modulating comprises separating...Up-Table (LUT).

36 Apparatus according to claim 28 wherein said transmitter is adapted to **dither** said light transmission. 3) 7. Apparatus according to claim 28 wherein said transmitter is adapted...Table (LUT).

52 The method according to claim 50 wherein said correcting comprises correcting by **dithering** at least one of said light segments.
1 5
3 6
?

18/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01423780
A method and apparatus for printing images in multiple formats using a spatial light modulator
Verfahren und Vorrichtung zum drucken von mehrere Formate mittels einen raumlicher Lichtmodulator
Methode et dispositif d'impression de plusieurs formats en utilisant un modulateur de lumiere spatiale
PATENT ASSIGNEE:
EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York 14650, (US), (Applicant designated States: all)
INVENTOR:
Wong, Victor C., c/o Eastman Kodak Company, Patent Legal Staff, 343 Legal Staff, Rochester, New York 14650-2201, (US)
Narayan, Badhri, c/o Eastman Kodak Company, Patent Legal Staff, 343 Legal Staff, Rochester, New York 14650-2201, (US)
Ramanujan, Sujatha, c/o Eastman Kodak Company, Patent Legal Staff, 343 Legal Staff, Rochester, New York 14650-2201, (US)
Talbot, Dan S., c/o Eastman Kodak Company, Patent Legal Staff, 343 Legal Staff, Rochester, New York 14650-2201, (US)
LEGAL REPRESENTATIVE:
Weber, Etienne Nicolas et al (91684), Kodak Industrie, Departement Brevets, CRT, Zone Industrielle, 71102 Chalon sur Saone Cedex, (FR)
PATENT (CC, No, Kind, Date): EP 1202111 A2 020502 (Basic)
APPLICATION (CC, No, Date): EP 2001203981 011018;
PRIORITY (CC, No, Date): US 699552 001030
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G03B-027/72
ABSTRACT WORD COUNT: 214
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200218	359
SPEC A	(English)	200218	10264
Total word count - document A			10623
Total word count - document B			0
Total word count - documents A + B			10623

...SPECIFICATION modulator, the dark state of the light is actually rotated 7 degrees from the polarization **transmitting** direction of polarization beamsplitter element 50. To correct this in the preferred embodiment, a second...

...for the printing system. A suggested placement of polarizer 134 in the optics path is **shown** in Figure 2.

Dithering
In an alternative embodiment of printer 100, dithering may be used to increase the inherent...

18/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01411945

A method and apparatus for printing monochromatic images using a spatial light modulator having a selectable light source

Verfahren und Vorrichtung zum Drucken monochromatischer Bilder mittels einem raumlichen Lichtmodulator, welcher mit einem auswahlbaren Lichtbrunnen ausgestattet ist

Methode et dispositif pour imprimer des images monochromes utilisant un modulateur spatial de lumiere avec une source de lumiere selectionnable

PATENT ASSIGNEE:
EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York 14650, (US), (Applicant designated States: all)
INVENTOR:
Wong, Victor C., Patent Legal Staff, Eastman Kodak Company, 343 State Street, Rochester, New York 14650-2201, (US)
Narayan, Badhri, Patent Legal Staff, Eastman Kodak Company, 343 State Street, Rochester, New York 14650-2201, (US)
Talbot, Dan S., Patent Legal Staff, Eastman Kodak Company, 343 State Street, Rochester, New York 14650-2201, (US)
LEGAL REPRESENTATIVE:
Weber, Etienne Nicolas et al (91684), Kodak Industrie, Departement Brevets, CRT, Zone Industrielle, 71102 Chalon sur Saone Cedex, (FR)
PATENT (CC, No, Kind, Date): EP 1193542 A2 020403 (Basic)
EP 1193542 A3 030723
APPLICATION (CC, No, Date): EP 2001203554 010919;
PRIORITY (CC, No, Date): US 675327 000928
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G03B-027/72; B41J-002/447
ABSTRACT WORD COUNT: 181
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200214	262
SPEC A	(English)	200214	8532
Total word count - document A			8794
Total word count - document B			0
Total word count - documents A + B			8794

...SPECIFICATION modulator, the dark state of the light is actually rotated 7 degrees from the polarization **transmitting** direction of polarization beamsplitter element 50. To correct this in the preferred embodiment, a second...

...the light source selected. A suggested placement of polarizer 134 in the optics path is **shown** in Figure 2.

Dithering

In an alternative embodiment of printer 100, dithering may be used to increase the inherent...

18/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01389425
A method and apparatus for monochromatic printing using a spatial light modulator
Verfahren und Gerat zum monochromatischen Drucken unter Verwendung eines raumlichen Lichtmodulators
Methode et appareil d'impression monochrome en utilisant un modulateur spatial de lumiere
PATENT ASSIGNEE:
EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York 14650, (US), (Applicant designated States: all)
INVENTOR:
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LEGAL REPRESENTATIVE:
Weber, Etienne Nicolas et al (91684), Kodak Industrie, Departement Brevets, CRT, Zone Industrielle, 71102 Chalon sur Saone Cedex, (FR)
PATENT (CC, No, Kind, Date): EP 1177908 A1 020206 (Basic)
APPLICATION (CC, No, Date): EP 2001202784 010719;
PRIORITY (CC, No, Date): US 630419 000801
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: B41J-002/465; G06K-015/12; G02B-026/08; H04N-001/40
ABSTRACT WORD COUNT: 149
NOTE:
Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count
CLAIMS A (English) 200206 240
SPEC A (English) 200206 6952
Total word count - document A 7192
Total word count - document B 0
Total word count - documents A + B 7192

...SPECIFICATION modulator, the dark state of the light is actually rotated 7 degrees from the polarization **transmitting** direction of polarization beamsplitter element 50. To correct this in the preferred embodiment, a second...

...for the printing system. A suggested placement of polarizer 134 in the optics path is **shown** in Figure 2.

Dithering
In an alternative embodiment of printer 100, dithering may be used to increase the inherent...

18/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01074177
Frame rate modulation for liquid crystal display (LCD)
Veranderung der Bildfrequenz in einem lFlussigkristallanzeigesystem
Modulation de la frequence de trame dans un systeme d'affichage a cristaux liquides
PATENT ASSIGNEE:
SEIKO EPSON CORPORATION, (730002), 4-1, Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo 163, (JP), (Applicant designated States: all)
INVENTOR:
Lin, Tsung-Nan, 1129 Cabot Place, San Jose, CA 95129, (US)
Shu, Joseph, 5988 Rainbow Drive, San Jose, CA 95129, (US)
Swic, Jerzy, 388 Drake Street, Apt. 606, Vancouver, British Columbia V4B6A8, (CA)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 945847 A1 990929 (Basic)
APPLICATION (CC, No, Date): EP 99101461 990127;
PRIORITY (CC, No, Date): US 48131 980325
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G09G-003/36
ABSTRACT WORD COUNT: 159
NOTE:
Figure number on first page: 2A

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9939	1825
SPEC A	(English)	9939	8952
Total word count - document A			10777
Total word count - document B			0
Total word count - documents A + B			10777

...SPECIFICATION LCD display device 14, via bus 46, for supplying image data thereto. Graphics controller 38 **sends** data signals (Px,y))), scan line clock signals, frame signals and pixel clock signals on...

...78, the operation of which is discussed hereinafter, is also shown connected to bus 40. **Dither** matrix generator 78, **shown** as a separate functional block for discussion purposes, may form part of image processing unit...

18/3,K/5 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00985206 **Image available**
IMAGE SENSING APPARATUS INCLUDING A MICROCONTROLLER
APPAREIL DE DETECTION D'IMAGE COMPRENANT UN MICROCONTROLEUR
Patent Applicant/Assignee:
SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated

states except: US)
Patent Applicant/Inventor:
SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
Legal Representative:
SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200315395 A1 20030220 (WO 0315395)
Application: WO 2002AU919 20020709 (PCT/WO AU0200919)
Priority Application: US 2001922274 20010806
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 142364

Fulltext Availability:
Detailed Description

Detailed Description
... JSRGEN Unit.

Fig. 197 shows a schematic block diagram for the DBRGEN Unit;
Fig. 198 **shows** a schematic block diagram for the LDKGEN Unit;
Fig. 199 shows a schematic block diagram...

18/3,K/6 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00984065 **Image available**
A PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY IDENTIFICATION
CARTOUCHE D'IMPRESSION AVEC IDENTIFICATION D'UNE MATRICE DE CAPTEURS DE PRESSION
Patent Applicant/Assignee:
SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SILVERBROOK KIA, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
Legal Representative:
SILVERBROOK KIA (agent), Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200313861 A1 20030220 (WO 0313861)

Application: WO 2002AU1054 20020806 (PCT/WO AU0201054)
Priority Application: US 2001922207 20010806
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 142580

Fulltext Availability:
Detailed Description

Detailed Description
... specifically discussed hereinafter.

The specifications of the ink jet head are.

Image type Bi-level, **dithered**
Color CMY Process Color
Resolution 1600 dpi
Print head length 'Page-width' (100mm)
I

18/3,K/7 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00984062 **Image available**
IMAGE PRINTING APPARATUS INCLUDING A MICROCONTROLLER
APPAREIL D'IMPRESSION D'IMAGES COMPRENANT UNE MICRO-UNITE DE COMMANDE
Patent Applicant/Assignee:
SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
Legal Representative:
SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200313858 A1 20030220 (WO 0313858)
Application: WO 2002AU920 20020709 (PCT/WO AU0200920)
Priority Application: US 2001922275 20010806
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 140412

Fulltext Availability:
Detailed Description

Detailed Description
... specifically discussed hereinafter.

The specifications of the ink jet head are.

Image type Bi-level, **dithered**
Color CNIY Process Color
Resolution 1600 dpi
Print head length 'Page-width' (100mm)
Print speed...is in a complex metallic 3D font. The miniature keyboard includes a single line alphanumeric **LCD** to display the original text and edited text. The keyboard may be a standard accessory...

18/3,K/8 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00916973 **Image available**
REDUCTION OF CONTOURING IN LIQUID CRYSTAL ON SILICON DISPLAYS BY DITHERING
REDUCTION DE LA DISTORSION DE CONTOURS DANS LE CRISTAL LIQUIDE D'AFFICHAGES AU SILICIUM AU MOYEN D'UNE JUXTAPOSITION
Patent Applicant/Assignee:
THOMSON LICENSING S A, 48, quai Alphonse Le Gallo, F-92648 Boulogne Cedex , FR, FR (Residence), FR (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
WILLIS Donald Henry, 5175 East 74th Place, Indianapolis, IN 46250, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
TRIPOLI Joseph S (et al) (agent), Thomson multimedia Licencing Inc., P.O. Box 5312, Princeton, NJ 08540, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200251122 A2-A3 20020627 (WO 0251122)
Application: WO 2001US48787 20011218 (PCT/WO US0148787)
Priority Application: US 2000256805 20001220; US 2001964125 20010926
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5008

Fulltext Availability:
Detailed Description

Detailed Description
... excerpts from exemplary
1 0 gamma tables. 1 1 Figure 2 is a block diagram **illustrating** an exemplary multiple- **dither** system 1 2 in accordance with the present invention. 1 3 Figure 3 is a...

...provides a method and system for
1 7 improving the image quality attainable in a **display** utilizing **liquid** crystal on 1 8 silicon (LCOS) technology. In accordance with the inventive arrangements, the 1 9 strong non-linearity of the LCOS imaging **transfer** function still can be corrected by using a digital gamma table. The response of the...

18/3,K/9 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00835027 **Image available**
METHOD OF CONTROLLING ARC WELDING PROCESSES AND WELDER USING SAME
PROCEDE DE COMMANDE DE PROCEDES DE SOUDAGE A L'ARC ET SOUDEUSE UTILISANT CE PROCEDE
Patent Applicant/Assignee:
LINCOLN GLOBAL INC, 1200 Monterey Pass Road, Monterey Park, CA 91754, US, US (Residence), -- (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
BLANKENSHIP George D, 12221 Bradford Road, Chardon, OH 44024, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
VICKERS Robert V (agent), Vickers, Daniels & Young, Suite 2000, 50 Public Square, Cleveland, OH 44113-2235, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200168307 A1 20010920 (WO 0168307)
Application: WO 2001US6430 20010228 (PCT/WO US0106430)
Priority Application: US 2000524898 20000314
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8571

Fulltext Availability:
  Detailed Description

Detailed Description
... voltage curve shown in the lower graph. During the background current, there is no substantial **transfer** of the electrode to the workpiece; however, dither pattern 240 and corresponding dither pattern 240a...

...types using an arc wherein the current is maintained constant and is capable of being **dithered** . This is ftirther **illustrated** in FIGURE 8 which is a constant current or constant voltage welding cycle wherein the ...

18/3,K/10 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00473016 **Image available**
A CAMERA WITH INTERNAL PRINTING SYSTEM
APPAREIL PHOTOGRAPHIQUE A SYSTEME D'IMPRESSION INTERNE
Patent Applicant/Assignee:
  SILVERBROOK RESEARCH PTY LIMITED,
  SILVERBROOK Kia,
  WALMSLEY Simon,
  LAPSTUN Paul,
Inventor(s):
  SILVERBROOK Kia,
  WALMSLEY Simon,
  LAPSTUN Paul,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9904368 A1 19990128
  Application: WO 98AU544 19980715 (PCT/WO AU9800544)
  Priority Application: AU 978003 19970715; AU 978005 19970715; AU 978031 19970715; AU 977991 19970715; AU 977998 19970715; AU 977988 19970715; AU 977993 19970715; AU 978012 19970715; AU 978017 19970715; AU 978014 19970715; AU 978025 19970715; AU 978032 19970715; AU 977999 19970715; AU 978024 19970715; AU 978016 19970715; AU 978030 19970715; AU 977938 19970715; AU 977997 19970715; AU 977979 19970715; AU 978015 19970715; AU 977978 19970715; AU 977982 19970715; AU 977989 19970715; AU 978019 19970715; AU 977980 19970715; AU 977942 19970715; AU 978018 19970715; AU 978021 19970715; AU 978000 19970715; AU 977940 19970715; AU 977939 19970715; AU 978020 19970715; AU 977985 19970715; AU 977987 19970715; AU 978022 19970715; AU 978029 19970715; AU 978023 19970715; AU 978028 19970715; AU 978027 19970715; AU 978026 19970715; AU 977983 19970715; AU 977986 19970715; AU 977981 19970715; AU 977977 19970715; AU 977934 19970715; AU 977990 19970715; AU 978497 19970811; AU 978505 19970811; AU 978498 19970811; AU 978504 19970811; AU 978501 19970811; AU 978500 19970811; AU 978502 19970811; AU 978499 19970811; AU 979395 19970923; AU 979404 19970923; AU 979394 19970923; AU 979396 19970923; AU 979397 19970923; AU 979398 19970923; AU 979399 19970923; AU 979400 19970923; AU 979401 19970923; AU 979402 19970923; AU 979403 19970923; AU 979405 19970923; AU 97959 19971216; AU 981397 19980119; AU 982370 19980316; AU 982371 19980316; AU 984094 19980612
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX

NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN
TD TG
Publication Language: English
Fulltext Word Count: 191348

Fulltext Availability:
Detailed Description

Detailed Description
... Unit in more detail.

Fig. 5 illustrates the ALU 188 in more detail.

Fig. 6 **illustrates** the In block in more detail.

Fig. 7 illustrates the Out block in more detail...

...Registers block in more detail.

Fig. 9 illustrates the Crossbarl in more detail.

Fig. 10 **illustrates** the Crossbar2 in more detail.
1 5 Fig. 1 1 **illustrates** the read process block in more detail.

Fig. 12 illustrates the read process block ...a sequential read iterator process.

Fig. 19 illustrates a box read iterator process.

Fig. 20 **illustrates** a box write iterator process.

Fig. 21 illustrates the vertical strip read/write iterator process...

...23 illustrates the generate sequential process.

Fig. 24 illustrates the generate sequential process.

Fig. 25 **illustrates** the generate vertical strip process.

Fig. 26 illustrates the generate vertical strip process.

Fig. 27...cycle.

height Each 8 bit entry treated as fixed point 8:0
8 bits per **Transfer** time is 2 cycles (2 16 bit entries in FIFO hold the
4 8 bit...row of image pixels already scaled in X
1 8 bits per entry 1 cycle **transfer** time
FIFO, ImageWidthoUT entries 1 row of image pixels already scaled in X
16 bits per entry 2 cycles **transfer** time (1 byte per cycle)
Tessellate Image
Tessellation of an image is a forin of...

18/3,K/11 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00330467 **Image available**

OPTICAL DISPLAY SYSTEM AND METHOD, ACTIVE AND PASSIVE DITHERING USING BIREFRINGENCE, COLOR IMAGE SUPERPOSITIONING AND DISPLAY ENHANCEMENT

PROCEDE ET DISPOSITIF D'AFFICHAGE OPTIQUE, JUXTAPOSITION ACTIVE ET PASSIVE UTILISANT LA BIREFRINGENCE, LA SUPERPOSITION D'IMAGES COULEUR ET L'AMPLIFICATION DE L'AFFICHAGE

Patent Applicant/Assignee:
FERGASON James L,
Inventor(s):
FERGASON James L,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9612978 A1 19960502
Application: WO 95US13722 19951025 (PCT/WO US9513722)
Priority Application: US 94328375 19941025; US 95392055 19950222; US 95398292 19950303; US 951972 19950723
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN KE LS MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 38511

Fulltext Availability:
Claims

Claim

... 1; Fig. 44 is a compilation of graphs representing the response of a twisted nematic
LCD display pixel when addressed at 60 Hz (Hertz);
Fig. 45 is a compilation of graphs representing the response of a twisted nematic
LCD display pixel when addressed at 120 Hz;
Fig. 46 is a compilation of graphs representing...

...operating as an optical rotator or switch coordinated with the operation of a twisted nematic **LCD** display pixel which is addressed at 120 Hz;
Fig. 47 is a schematic illustration of...

...The display 2 provides a source of light or optical signals, and such light is **transmitted** through the electro-optical dithering system to provide optical signals at respective locations for viewing...the location of the output optical signal 5 resulting from the optical signal 4 being **transmitted** through the electx"ptical dithering system 1 while the electro-optical dithering system is in...

...2 is a CRT. It will be appreciated that the display 2 may be an **LCD** or another display, such as an electroluminescent display, **plasma** display, **flat panel** display or other display. - 19 Dithering may refer to the physical displacement of an image...

...calcite crystal material. Other double refracting (birefringent) materials also may be used. Birefringent material may **transmit** light straight through or may refract the light which is incident thereon, depending on a...

applied at a frequency of 60 Hz...

21/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01761213
Method and device for processing video data for display on a display device
Verfahren und Vorrichtung zur Verarbeitung von auf einem Bildschirm dargestellten Videodaten
Appareil et procede de traitement de donnees video destinees a etre visualisees sur ecran
PATENT ASSIGNEE:
DEUTSCHE THOMSON-BRANDT GMBH, (473914), Hermann-Schwer-Strasse 3, 78048 Villingen-Schwenningen, (DE), (Applicant designated States: all)
INVENTOR:
Thebault, Cedric, 68 avenue des Primeveres, 93270 Sevran, (FR)
Correa, Carlos, lichtenberger Weg 4, 78056 VS-Schwenningen, (DE)
Weitbruch, Sebastien, Chabeuilstrasse 17, 78087 Monchweiler, (DE)
LEGAL REPRESENTATIVE:
Berthier, Karine (95703), THOMSON, European Patent Operations, 46 Quai Alphonse Le Gallo, 92648 Boulogne Cedex, (FR)
PATENT (CC, No, Kind, Date): EP 1439517 A1 040721 (Basic)
APPLICATION (CC, No, Date): EP 2003290063 030110;
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PT; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO
INTERNATIONAL PATENT CLASS: **G09G-003/28** ; **G09G-003/20**
ABSTRACT WORD COUNT: 73
NOTE:
Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200430	276
SPEC A	(English)	200430	3059
Total word count - document A			3335
Total word count - document B			0
Total word count - documents A + B			3335

INTERNATIONAL PATENT CLASS: **G09G-003/28** ...

... **G09G-003/20**

...SPECIFICATION phiv;t)): (x,y)-> φv; (x,y,t) represents a (2-dimensional) pattern of **dithering** .

Figure 2 **illustrates** the 3-dimensional matrix concept. The values displayed on the picture slightly change for each **plasma** cell in the vertical and horizontal directions. In addition, the value also changes for each...

...in the rhythm of picture frames. Thus, no additional synchronisation has to be provided.

The **dithering** according to the **present** invention may be based on a Cell-based and/or Multi-Mask dithering, which consists in adding a dithering signal that is defined for every **plasma** cell and not for every pixel. In addition, such a dithering may further be optimized...

21/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01697456
Plasma **display panel (PDP) - Reduction of** dithering **noise while** displaying **less video levels than required**
Plasma-Anzeigetafel - Reduktion des Zittersignals bei Anzeige von weniger Videopegeln als erforderlich
Ecran a plasma (PDP) - reduction du bruit de superposition pour affichage d'un signal avec un nombre reduit de niveau de gris
PATENT ASSIGNEE:
DEUTSCHE THOMSON-BRANDT GMBH, (473916), Hermann-Schwer-Strasse 3, 78048 Villingen-Schwenningen, (DE), (Applicant designated States: all)
INVENTOR:
Weitbruch, Sebastien, Chabeuilstrasse 17, 78087 Monchweiler, (DE)
Thebault, Cedric, 68, Avenue des primeveres, 93270 Sevran, (FR)
Correa, Carlos, Lichtenbergerweg 4, 78056 VS-Schwenningen, (DE)
LEGAL REPRESENTATIVE:
Schaferjohann, Volker Willi, Dipl.-Phys. et al (87373), Deutsche Thomson-Brandt GmbH European Patent Operations Karl-Wiechert-Allee 74, 30625 Hannover, (DE)
PATENT (CC, No, Kind, Date): EP 1391865 A1 040225 (Basic)
APPLICATION (CC, No, Date): EP 2002090298 020823;
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G09G-003/28**
ABSTRACT WORD COUNT: 84
NOTE:
Figure number on first page: 18

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200409	493
SPEC A	(English)	200409	4489
Total word count - document A			4982
Total word count - document B			0
Total word count - documents A + B			4982

Plasma **display panel (PDP) - Reduction of** dithering **noise while** displaying **less video levels than required**
INTERNATIONAL PATENT CLASS: **G09G-003/28**

21/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01691126
Method and device for processing video data for a display
Verfahren und Einrichtung zur Videodatenbearbeitung fur eine Anzeigevorrichtung
Procede et dispositif pour le traitement des donnees d'image video pour un dispositif d'affichage
PATENT ASSIGNEE:
DEUTSCHE THOMSON-BRANDT GMBH, (473914), Hermann-Schwer-Strasse 3, 78048

Villingen-Schwenningen, (DE), (Applicant designated States: all)
INVENTOR:
Weitbruch, M. Sebastien, Chabeuilstrasse 17, 78087 Monchweiler, (DE)
Thebault, M. Cedric, Farbestrasse 18, 78050 Villingen, (DE)
Doyen, M. Didier, La Debinerie, 35340 La Bouexiere, (FR)
LEGAL REPRESENTATIVE:
Ruellan-Lemonnier, Brigitte (47341), THOMSON multimedia, 46 quai A. Le Gallo, 92648 Boulogne Cedex, (FR)
PATENT (CC, No, Kind, Date): EP 1387340 A1 040204 (Basic)
APPLICATION (CC, No, Date): EP 2002291924 020730;
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G09G-003/28 ; G09G-003/20**
ABSTRACT WORD COUNT: 88
NOTE:
Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200406	566
SPEC A	(English)	200406	2766
Total word count - document A			3332
Total word count - document B			0
Total word count - documents A + B			3332

INTERNATIONAL PATENT CLASS: **G09G-003/28** ...

... **G09G-003/20**

...ABSTRACT A1
In order to improve the picture quality of **plasma** display panels and to reduce differences to **present** CRTs **dithering** is used. However, the dithering pattern may appear on the retina for some movement having...

...SPECIFICATION in the rhythm of picture frames. Thus, no additional synchronisation has to be provided.
The **dithering** according to the **present** invention may be based on a Cell-based and/or Multi-Mask dithering, which consists in adding a dithering signal that is defined for every **plasma** cell and not for every pixel. In addition, such a dithering may further be optimized...

21/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01509827
Method and apparatus for processing video data for a display device
Verfahren und Vorrichtung zur Verarbeitung von auf einem Bildschirm dargestellten Videodaten
Procede et dispositif de traitement de donnees video a etre visualisees sur un ecran
PATENT ASSIGNEE:
DEUTSCHE THOMSON-BRANDT GMBH, (473916), Hermann-Schwer-Strasse 3, 78048 Villingen-Schwenningen, (DE), (Applicant designated States: all)
INVENTOR:

Thebault, Cedric, 68, Avenue des Primeveres, 93270 Sevran, (FR)
Correa, Carlos, Lichtenberger Weg 4, 78056 VS-Villingen, (DE)
Weitbruch, Sebastien, Chabeuilstrasse 17, 78087 Monchweiler, (DE)
LEGAL REPRESENTATIVE:
Schaferjohann, Volker Willi, Dipl.-Phys. et al (87373), Deutsche Thomson-Brandt GmbH European Patent Operations Karl-Wiechert-Allee 74, 30625 Hannover, (DE)
PATENT (CC, No, Kind, Date): EP 1262942 A1 021204 (Basic)
APPLICATION (CC, No, Date): EP 2001250199 010601;
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G09G-003/28** ; **G09G-003/20**
ABSTRACT WORD COUNT: 178
NOTE:
Figure number on first page: 12

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200249	709
SPEC A	(English)	200249	4540
Total word count - document A			5249
Total word count - document B			0
Total word count - documents A + B			5249

INTERNATIONAL PATENT CLASS: **G09G-003/28** ...

... **G09G-003/20**

...SPECIFICATION Invention
To overcome the drawback of reduced picture quality when using a static 3-dimensional **dither** pattern, the **present** invention, reports a **dithering** technique that makes use of different dither patterns for different entries in a number of...

...data word. The invention makes it possible to suppress the disturbing patterns occurring on the **plasma** screen when using the 3-dimensional dither pattern.
Further advantageous embodiments are apparent from the...pulses in sub-fields;
Fig. 2 shows an illustration for pixel-based and cell-based **dithering** ;
Fig. 3 **shows** a 3-dimensional cell-based static **dither** pattern;
Fig. 4 **illustrates** the effect that patterns occur on a screen when each colour component has a fixed...

...resulting patterns that occur on a screen when the dithering technique with use of the **dither** patterns as **shown** in Fig. 7 or 8 is used;
Fig. 10 shows a block diagram'of a...

21/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01403240
Display and image displaying method
Anzeigegerat und Vefahren zur Bilddarstellung

Dispositif d'affichage et methode de visualisation d'image
PATENT ASSIGNEE:
Hitachi, Ltd., (204144), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, (JP), (Applicant designated States: all)
Fujitsu Hitachi Plasma Display Limited, (3081132), 2-1, Sakato 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa-ken 213-0012, (JP), (Applicant designated States: all)
INVENTOR:
Naka, Kazutaka, c/o Hitachi Ltd., New Marunouchi Bldg., 5-1 Marunouchi 1-chome, Chiyoda-ku, Tokyo 100, (JP)
Takeuchi, Masanori, c/o Fujitsu Hitachi, Plasma Display,Ltd., 2-1 Sakato 3-chome Takatsu-ku, Kawasaki-shi, Kanagawa-ken 213-0012, (JP)
LEGAL REPRESENTATIVE:
Calderbank, Thomas Roger et al (50122), MEWBURN ELLIS York House 23 Kingsway, London WC2B 6HP, (GB)
PATENT (CC, No, Kind, Date): EP 1187089 A2 020313 (Basic)
APPLICATION (CC, No, Date): EP 2001306883 010813;
PRIORITY (CC, No, Date): JP 2000273545 000905; JP 2000380289 001214
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G09G**-003/28 ; **G09G-003/20**
ABSTRACT WORD COUNT: 75
NOTE:
Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200211	1522
SPEC A	(English)	200211	9016
Total word count - document A			10538
Total word count - document B			0
Total word count - documents A + B			10538

INTERNATIONAL PATENT CLASS: **G09G-003/28** ...

... **G09G-003/20**

...SPECIFICATION displayed sufficiently, which makes it difficult to realize a high-image-quality display.
The conventional **plasma** displays that, unlike a CRT display, do not have the gamma characteristic have a tendency...

...a scheme of increasing the number of display gradation levels in a pseudo fashion before **displaying** by **dithering** , an error diffusion process or the like in order to make up the deficiency of...

21/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01331065
Method for processing video data for a display device
Videobilddatenverarbeitungsverfahren fur eine Anzeigevorrichtung
Procede pour le traitement des donnees d'image video pour dispositif d'affichage
PATENT ASSIGNEE:

DEUTSCHE THOMSON-BRANDT GMBH, (473916), Hermann-Schwer-Strasse 3, 78048 Villingen-Schwenningen, (DE), (Applicant designated States: all)
INVENTOR:
Correa, Carlos, Lichtenberger Weg 4, 78056 VS-Schwenningen, (DE)
Zwing, Rainer, Bozener Str. 2, 78052 VS-Villingen, (DE)
Weitbruch, Sebastien, Chabeuilstr. 17, 78087 Monchweiler, (DE)
LEGAL REPRESENTATIVE:
Schaferjohann, Volker Willi et al (87371), Deutsche Thomson-Brandt GmbH, Licensing & Intellectual Property, Karl-Wiechert-Allee 74, 30625 Hannover, (DE)
PATENT (CC, No, Kind, Date): EP 1136974 A1 010926 (Basic)
APPLICATION (CC, No, Date): EP 2000250099 000322;
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G09G-003/28**
ABSTRACT WORD COUNT: 217
NOTE:
Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200139	594
SPEC A	(English)	200139	4202
Total word count - document A			4796
Total word count - document B			0
Total word count - documents A + B			4796

INTERNATIONAL PATENT CLASS: **G09G-003/28**

...SPECIFICATION for every pixel. This makes the dithering noise finer and less noticeable to the human **viewer** .
Object-based **dithering** means enabling addition of a dithering signal only for certain picture content objects, or to...pulses in sub-fields;
Fig. 2 shows an illustration for pixel-based and cell-based **dithering** ;
Fig. 3 **shows** an illustration of a 3-dimensional cell-based **dithering** pattern;
Fig. 4 **shows** a block diagram of a circuit implementation of the invention in a PDP.

Exemplary embodiments...

21/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01294328
Brightness control and halftoning in optical display system
Helligkeitssteuerung und Halbtonerzeugung in optischem Anzeigesystem
Commande de luminosite et obtention de demi-teintes dans un dispositif d'affichage optique
PATENT ASSIGNEE:
Fergason, James L., (338502), 158 Almendral Avenue, Atherton, CA 94027-3902, (US), (Applicant designated States: all)
INVENTOR:
Fergason, James L., 158 Almendral Avenue, Atherton, CA 94027-3902, (US)

LEGAL REPRESENTATIVE:
  Crisp, David Norman et al (52071), D. YOUNG & CO. 21 New Fetter Lane, London EC4A 1DA, (GB)
PATENT (CC, No, Kind, Date): EP 1111575 A1 010627 (Basic)
APPLICATION (CC, No, Date): EP 2000122867 951025;
PRIORITY (CC, No, Date): US 328375 941025; US 392055 950222; US 398292 950303; US 1972 P 950723
DESIGNATED STATES: DE; FR; GB; NL
RELATED PARENT NUMBER(S) - PN (AN):
  EP 789852 (EP 95941333)
INTERNATIONAL PATENT CLASS: **G09G-003/34** ; **G09G-003/36**
ABSTRACT WORD COUNT: 133
NOTE:
  Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200126	612
SPEC A	(English)	200126	19299
Total word count - document A			19911
Total word count - document B			0
Total word count - documents A + B			19911

INTERNATIONAL PATENT CLASS: **G09G-003/34** ...

... **G09G-003/36**

...SPECIFICATION eliminate the need for a separate linear polarizer 12.
  In Fig. 2 the electro-optical **dithering** system 1 is **shown** in use in an optical display system 13 having a transmissive **LCD** 20. The **LCD** 20 may be a twisted nematic **liquid** crystal **display** , birefringent **liquid** crystal **display** , or some other type of **liquid** crystal **display** which produces in response to input light 21 from a light source 22, output light represented by an arrow 23. The **LCD** 20 may be transmissive or reflective. The output light 23 may be, for example, a...

...more light beams that are selectively turned on or off depending on operation of the **liquid** crystal **display** 20, etc. The graphic image may be a moving image, an alphanumeric display, etc. The...I below in order to achieve pixels 662, 662' and 663, 663', the primed pixels **representing** the **dithered** images that doubles the effective size of the overall pixel, such as the doubled size...

...space in the display. The vertical displacing of pixels can be used to cause a **liquid** crystal **display** to provide a true or more nearly true interlaced operation whereby a pixel presented in...

21/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00467260
Color display control apparatus for controlling display gray scale of each scanning frame or each plurality of dots.
Farbanzeige-Steuergerat zur Steuerung der Grauwert-Anzeige von jedem Bild oder von jeder Punktgruppe.

Dispositif de controle d'affichage en couleurs pour controler les niveaux de gris de chaque trame de balayage ou de chaque groupe de points.

PATENT ASSIGNEE:
Kabushiki Kaisha Toshiba, (213137), 72, Horikawa-cho Saiwai-ku, Kawasaki-shi, (JP), (applicant designated states: DE;FR;GB;IT)

INVENTOR:
Uchikoga, Hiroshi, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Zenda, Hiroki, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Shimamoto, Hajime, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)

LEGAL REPRESENTATIVE:
Henkel, Feiler, Hanzel & Partner (100401), Mohlstrasse 37, W-8000 Munchen 80, (DE)

PATENT (CC, No, Kind, Date): EP 471275 A2 920219 (Basic)
EP 471275 A3 920708
APPLICATION (CC, No, Date): EP 91113214 910806;
PRIORITY (CC, No, Date): JP 90209341 900809; JP 91180763 910722
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: **G09G-005/10 ; G09G-003/36**
ABSTRACT WORD COUNT: 176

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	740
SPEC A	(English)	EPABF1	5850
Total word count - document A			6590
Total word count - document B			0
Total word count - documents A + B			6590

INTERNATIONAL PATENT CLASS: **G09G-005/10** ...

... **G09G-003/36**

...SPECIFICATION a color LCD.
It is another object of the present invention to provide a color **LCD** display control system for generating intermediate gray scales by a **dither** method and **displaying** display data set in a CRT pallet on a color **LCD** .
It is still another object of the present invention to provide a color LCD display...

21/3,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00319286
Display device.
Anzeigegerat.
Dispositif d'affichage.
PATENT ASSIGNEE:
THORN EMI plc, (272334), 4 Tenterden Street, London W1A 2AY, (GB), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)
INVENTOR:
Bull, Steven David, 9 Glebe Avenue, Ripley Derbyshire, (GB)

Morris, Christopher James, 7 Gladstone Avenue, Feltham Middlesex, TW14 9LJ, (GB)
LEGAL REPRESENTATIVE:
Hurst, Richard Arthur Alexander et al (32172), THORN EMI Patents Limited, Central Research Laboratories, Dawley Road, Hayes, Middlesex UB3 1HH, (GB)
PATENT (CC, No, Kind, Date): EP 319291 A2 890607 (Basic)
EP 319291 A3 900117
EP 319291 B1 930526
APPLICATION (CC, No, Date): EP 88311385 881201;
PRIORITY (CC, No, Date): GB 8728434 871204
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE
INTERNATIONAL PATENT CLASS: **G09G-003/36** ; H04N-003/12
ABSTRACT WORD COUNT: 141

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	572
CLAIMS B	(German)	EPBBF1	552
CLAIMS B	(French)	EPBBF1	625
SPEC B	(English)	EPBBF1	3521
Total word count - document A			0
Total word count - document B			5270
Total word count - documents A + B			5270

INTERNATIONAL PATENT CLASS: **G09G-003/36** ...

...SPECIFICATION having two selectively-settable areas giving four states (2-bit spatial dither). The upper case ' **D** 's **represent** a collection being written with that bit while lower case 'd's represent data still displayed due to bistability of the pixel elements (e.g. liquid crystal cells). The **display** is divided as shown, into 21 collections of rows as shown.
In the first group...

...bit D(sub 0) written to it (this involves writing the two bits of spatial **dither** , these bits **representing** **4** levels). Similarly **collection** 5 has its second most significant bit D(sub 1) written to it, and collection...

21/3,K/10 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00910908 **Image available**
METHOD AND APPARATUS FOR CONTROLLING A DISPLAY DEVICE
PROCEDE ET DISPOSITIF DE COMMANDE D'UN DISPOSITIF D'AFFICHAGE
Patent Applicant/Assignee:
THOMSON LICENSING S A, 46 Quai A. le Gallo, F-92100 Boulogne-Billancourt, FR, FR (Residence), FR (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
CORREA Carlos, Lichtenberger Weg 4, 78056 Villingen-Schwenningen, DE, DE (Residence), PT (Nationality), (Designated only for: US)
WEITBRUCH Sebastien, Chabeuilstr. 7, 78087 Monchweiler, DE, DE (Residence), FR (Nationality), (Designated only for: US)
DOYEN Didier, La Debinerie, F-35340 La Bouexiere, FR, FR (Residence), FR

(Nationality), (Designated only for: US)
KERVEC Jonathan, 3 Avenue de Bretagne, F-35850 Geveze, FR, FR (Residence), FR (Nationality), (Designated only for: US)
Legal Representative:
SCHAFERJOHANN Volker (agent), Deutsche Thomson-Brandt GmbH, European Patent Operations, Karl-Wiechert-Allee 74, 30625 Hannover, DE,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200245062 A2-A3 20020606 (WO 0245062)
Application: WO 2001EP13346 20011119 (PCT/WO EP0113346)
Priority Application: EP 2000403366 20001130
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AU AZ BA BB BG BR BY BZ CA CN CO CR CU CZ DM DZ EC EE GD GE HR HU ID IL IN IS JP KG KP KR KZ LC LK LR LT LV MA MD MG MK MN MX NO NZ PH PL RO RU SG SI SK TJ TM TT UA US UZ VN YU ZA
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 9627

Main International Patent Class: **G09G-003/28**
Fulltext Availability:
Claims

Claim
... for group G1 52 and for group G2 also
the same value 52 when no **dithering** step is **present** . Then,
1; however, when a dithering step is switched on with
activation of sub-field...memory
preferably has a capacity of two frame memories. This is
recommendable due to the **plasma** driving process. The **plasma**
display panel is driven in sub-fields as explained above
and, therefore, for every pixel...They could also be in a separate box,
which
is to be connected with the **plasma** display panel.
The invention can be used in particular in PDPs. **Plasma**
displays are currently used in consumer electronics e.g. for
TV sets, and also as...

21/3,K/11 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00838035 **Image available**
METHOD FOR PROCESSING VIDEO DATA FOR A DISPLAY DEVICE
PROCEDE ET SYSTEME DE TRAITEMENT DE DONNEES D'IMAGES VIDEO DESTINEES A ETRE AFFICHEES SUR UN DISPOSITIF D'AFFICHAGE
Patent Applicant/Assignee:
THOMSON LICENSING S A, 46, quai A. Le Gallo, F-92100 Boulogne-Billancourt, FR, FR (Residence), FR (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
CORREA Carlos, Lichtenberger Weg 4, 78056 Villingen-Schwenningen, DE, DE (Residence), PT (Nationality), (Designated only for: US)

WEITBRUCH Sebastien, Chabeuilstrasse 7, 78087 Monchweiler, DE, DE (Residence), FR (Nationality), (Designated only for: US)
ZWING Rainer, Bozener Strasse 2, 78052 Villingen-Schwenningen, DE, DE (Residence), DE (Nationality), (Designated only for: US)
Legal Representative:
SCHAFERJOHANN Volker (agent), Deutsche Thomson-Brandt GMBH, European Patent Operations, Karl-Wiechert-Allee 74, 30625 Hannover, DE,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200171702 A2-A3 20010927 (WO 0171702)
Application: WO 2001EP2668 20010309 (PCT/WO EP0102668)
Priority Application: EP 2000250099 20000322
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AU BA BB BG BR CA CN CR CU CZ DM DZ EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LV MA MG MK MN MX NO NZ PL RO SG SI SK TT UA US UZ VN YU ZA
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7073

Main International Patent Class: **G09G-003/28**
Fulltext Availability:
Detailed Description

Detailed Description
... pulses in sub-fields;
Fig. 2 shows an illustration for pixel-based and cell based **dithering** ;
Fia. 3 **shows** an illustration of a 3-dimensional cell based **dithering** pattern;
Fia. 4 **shows** a block diagram of a circuit implementation of the invention in a PDP.

Exemplary embodiments...

25/3,K/1 **(Item 1 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS

01713673
Liquid crystal display device
Flussigkristallanzeigevorrichtung
Dispositif d'affichage a cristaux liquides
PATENT ASSIGNEE:
Sharp Kabushiki Kaisha, (260715), 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522, JP\(Applicant designated states: , DE; FR; GB; NL)
INVENTOR:
Motohiro, Yamahara, 13-21-1102 Karahori-cho, Tennoji-ku, Osaka-shi, 543, Osaka, (JP)
Iichiro, Inoue, 2613-1-326 Ichinomoto-cho, Tenri-shi, 632, Nara, (JP)
LEGAL REPRESENTATIVE:
Suckling, Andrew Michael (77593), Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford OX4 2RU, (GB)
PATENT (CC, No, Kind, Date): EP 1403690 A1 040331 (Basic)
APPLICATION (CC, No, Date): EP 2003103677 971223;
PRIORITY (CC, No, Date): JP 96343736 961224
DESIGNATED STATES: DE; FR; GB; NL
RELATED PARENT NUMBER(S) - PN (AN):
EP 851269 (EP 97310505)
INTERNATIONAL PATENT CLASS: G02F-001; G02F-001/139; G02B-005/30
ABSTRACT WORD COUNT: 205
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200414	2844
SPEC A	(English)	200414	10258
Total word count - document A			13102
Total word count - document B			0
Total word count - documents A + B			13102

...SPECIFICATION respect to the substrates.
Fig. 10 schematically shows a cross sectional arrangement of a TN **liquid** crystal **display** element 31. The arrangement of Fig. 10 is induced by the application of a voltage for **half - tone displaying** so that a liquid crystal molecule 32 slants upward slightly. In the **liquid** crystal **display** element 31, (1) linearly polarized light 35 passing through the TN **liquid** crystal **display** element 31 in a direction parallel to the direction normal to the surfaces of substrates...
...and 34 and (2) linearly polarized light 36 and 37 respectively passing through the TN **liquid** crystal **display** element 31 in directions inclined with respect to the normal direction cross the liquid crystal...

...exhibits refractive index anisotropy (DELTA)n, when the linearly polarized light 35, 36, and 37 **transmit** through the liquid crystal molecule 32 in the respective directions, ordinary light and extraordinary light...

25/3,K/2 **(Item 2 from file: 348)**

00952336
Liquid crystal display device
Flussigkristallanzeigevorrichtung
Dispositif d'affichage a cristaux liquides
PATENT ASSIGNEE:
Sharp Kabushiki Kaisha, (260715), 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522, (JP), (Proprietor designated states: all)
INVENTOR:
Yamahara, Motohiro, 13-21-1102, Karahori-cho, Tennoji-Ku, Osaka-shi, Osaka 543-0012, (JP)
Inoue, Iichiro, 2613-1-453, Ichinomoto-cho, Tenri-shi, Nara 632-0004, (JP)
Mizusima, Shigeaki, 3-24, Kitashinmachi, Ikoma-shi, Nara 630-0245, (JP)
LEGAL REPRESENTATIVE:
Suckling, Andrew Michael (77592), Marks & Clerk, Nash Court, Oxford Business Park South, Oxford OX4 2RU, (GB)
PATENT (CC, No, Kind, Date): EP 863428 A2 980909 (Basic)
EP 863428 A3 981216
EP 863428 B1 021113
APPLICATION (CC, No, Date): EP 98301251 980219;
PRIORITY (CC, No, Date): JP 9750792 970305
DESIGNATED STATES: DE; GB; NL
INTERNATIONAL PATENT CLASS: G02F-001/1335; G02F-001/1337
ABSTRACT WORD COUNT: 190
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199837	1173
CLAIMS B	(English)	200246	1212
CLAIMS B	(German)	200246	1013
CLAIMS B	(French)	200246	1267
SPEC A	(English)	199837	12059
SPEC B	(English)	200246	12127
Total word count - document A			13234
Total word count - document B			15619
Total word count - documents A + B			28853

...SPECIFICATION respect to the substrates.
Fig. 12 schematically shows a cross sectional arrangement of a TN **liquid** crystal **display** element 31. The arrangement of Fig. 12 is induced by the application of a voltage for **half - tone displaying** so that a liquid crystal molecule 32 slants upward slightly. In the **liquid** crystal **display** element 31, (1) linearly polarized light 35 passing through the TN **liquid** crystal **display** element 31 in a direction normal to the surfaces of substrates 33 and 34 and (2) linearly polarized light 36 and 37 respectively passing through the TN **liquid** crystal **display** element 31 in directions inclined with respect to the normal direction cross the liquid crystal...

...exhibits refractive index anisotropy (DELTA)n, when the linearly polarized light 35, 36, and 37 **transmit** through the liquid crystal molecule 32 in the respective directions, ordinary light and extraordinary light...

...SPECIFICATION respect to the substrates.
Fig. 12 schematically shows a cross sectional arrangement of a TN **liquid** crystal **display** element 31. The arrangement of Fig. 12 is induced by the application of a voltage for **half - tone displaying** so that a liquid crystal molecule 32 slants upward slightly. In the **liquid** crystal **display** element 31, (1) linearly polarized light 35 passing through the TN **liquid** crystal **display** element 31 in a direction normal to the surfaces of substrates 33 and 34 and (2) linearly polarized light 36 and 37 respectively passing through the TN **liquid** crystal **display** element 31 in directions inclined with respect to the normal direction cross the liquid crystal...

...exhibits refractive index anisotropy (DELTA)n, when the linearly polarized light 35, 36, and 37 **transmit** through the liquid crystal molecule 32 in the respective directions, ordinary light and extraordinary light...

25/3,K/3 (Item 3 from file: 348)

00934708
Liquid crystal display device
Flussigkristallanzeigevorrichtung
Dispositif d'affichage a cristaux liquides
PATENT ASSIGNEE:
SHARP KABUSHIKI KAISHA, (260710), 22-22 Nagaike-cho, Abeno-ku, Osaka-shi, Osaka-fu 545-0013, (JP), (Proprietor designated states: all)
INVENTOR:
Motohiro, Yamahara, 13-21-1102, Karahori-cho, Tennoji-ku, Osaka-shi, Osaka 543, (JP)
Iichiro, Inoue, 2613-1-326, Ichinomoto-cho, Tenri-shi, Nara 632, (JP)
LEGAL REPRESENTATIVE:
Harding, Richard Patrick (41295), Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford OX4 2RU, (GB)
PATENT (CC, No, Kind, Date): EP 851269 A1 980701 (Basic)
EP 851269 B1 040526
APPLICATION (CC, No, Date): EP 97310505 971223;
PRIORITY (CC, No, Date): JP 96343736 961224
DESIGNATED STATES: DE; FR; GB; NL
RELATED DIVISIONAL NUMBER(S) - PN (AN):
EP 1403690 (EP 2003103677)
INTERNATIONAL PATENT CLASS: G02F-001/1335; G02F-001/139; G02B-005/30
ABSTRACT WORD COUNT: 186
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199827	1132
CLAIMS B	(English)	200422	976
CLAIMS B	(German)	200422	843
CLAIMS B	(French)	200422	1119
SPEC A	(English)	199827	10272
SPEC B	(English)	200422	10502

Total word count - document A 11406
Total word count - document B 13440
Total word count - documents A + B 24846

...SPECIFICATION respect to the substrates.
Fig. 10 schematically shows a cross sectional arrangement of a TN **liquid** crystal **display** element 31. The arrangement of Fig. 10 is induced by the application of a voltage for **half - tone displaying** so that a liquid crystal molecule 32 slants upward slightly. In the **liquid** crystal **display** element 31, (1) linearly polarized light 35 passing through the TN **liquid** crystal **display** element 31 in a direction parallel to the direction normal to the surfaces of substrates...

...and 34 and (2) linearly polarized light 36 and 37 respectively passing through the TN **liquid** crystal **display** element 31 in directions inclined with respect to the normal direction cross the liquid crystal...

...exhibits refractive index anisotropy (DELTA)n, when the linearly polarized light 35, 36, and 37 **transmit** through the liquid crystal molecule 32 in the respective directions, ordinary light and extraordinary light...

...SPECIFICATION respect to the substrates.
Fig. 10 schematically shows a cross sectional arrangement of a TN **liquid** crystal **display** element 31. The arrangement of Fig. 10 is induced by the application of a voltage for **half - tone displaying** so that a liquid crystal molecule 32 slants upward slightly. In the **liquid** crystal **display** element 31, (1) linearly polarized light 35 passing through the TN **liquid** crystal **display** element 31 in a direction parallel to the direction normal to the surfaces of substrates...

...and 34 and (2) linearly polarized light 36 and 37 respectively passing through the TN **liquid** crystal **display** element 31 in directions inclined with respect to the normal direction cross the liquid crystal...

...exhibits refractive index anisotropy (DELTA)n, when the linearly polarized light 35, 36, and 37 **transmit** through the liquid crystal molecule 32 in the respective directions, ordinary light and extraordinary light...

25/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00587288
Liquid crystal display device
Flussigkristallanzeigevorrichtung
Dispositif d'affichage a cristal liquide
PATENT ASSIGNEE:
Casio Computer Co., Ltd., (249364), 6-2, Hon-machi 1-chome, Shibuya-ku, Tokyo 151-8543, (JP), (Proprietor designated states: all)
INVENTOR:
Miyashita, Takashi, c/o Hamura R & D Center, CASIO COMPUTER CO., LTD., 3-2-1, Sakae-cho, Hamura-shi, Tokyo 190-11, (JP)
Miyazawa, Yoshinaga, c/o Hamura R & D Center, CASIO COMPUTER CO., LTD., 3-2-1, Sakae-cho, Hamura-shi, Tokyo 190-11, (JP)
Kikuchi, Zenta, c/o Hamura R & D Center, CASIO COMPUTER CO., LTD., 3-2-1,

Sakae-cho, Hamura-shi, Tokyo 190-11, (JP)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 576931 A2 940105 (Basic)
EP 576931 A3 940810
EP 576931 B1 000315
APPLICATION (CC, No, Date): EP 93109704 930617;
PRIORITY (CC, No, Date): JP 92182879 920618; JP 92182880 920618; JP 92184758 920619; JP 92203199 920708; JP 92206137 920710
DESIGNATED STATES: DE; GB; IT; NL
INTERNATIONAL PATENT CLASS: G02F-001/1335
ABSTRACT WORD COUNT: 151
NOTE:
Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200011	372
CLAIMS B	(German)	200011	356
CLAIMS B	(French)	200011	450
SPEC B	(English)	200011	6828
Total word count - document A			0
Total word count - document B			8006
Total word count - documents A + B			8006

...SPECIFICATION crystal display device having the features of claim 1.
With the above arrangement of the **liquid** crystal **display** device, the twist-aligned retardation plate compensates for the differences in retardation between light components with different wavelengths contained in light **transmitted** through the liquid crystal cell and the differences in retardation between light components **transmitted** perpendicularly and obliquely through the liquid crystal cell, thereby improving coloring in a display. This can also suppress the reversal of brightness in **displaying** **halftones** in a multi-gradation-level display. As a result, a correct gradation can be stably...

25/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00520252
Light-receiving member
Lichtempfindliches Element
Element photosensible
PATENT ASSIGNEE:
CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;PT;SE)
INVENTOR:
Yamamura,Masaaki , c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko , Ohta-ku, Tokyo 146, (JP)
Shirasuna, Toshiyasu, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
Hashizume, Junichiro, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
Akiyama, Kazuyoshi, c/o Canon Kabushiki Kaisha, 30-2, 3-chome,

Shimomaruko, Ohta-ku, Tokyo 146, (JP)
Shirai, Shigeru, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
LEGAL REPRESENTATIVE:
Tiedtke, Harro, Dipl.-Ing. (11949), Patentanwaltsburo
Tiedtke-Buhling-Kinne & Partner Bavariaring 4, 80336 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 531625 A1 930317 (Basic)
EP 531625 B1 970820
APPLICATION (CC, No, Date): EP 92109024 920529;
PRIORITY (CC, No, Date): JP 91153706 910530; JP 91153710 910530; JP 91153718 910530; JP 91153741 910530; JP 91153754 910530; JP 91153797 910530; JP 91153816 910530; JP 91153823 910530; JP 91293389 911108
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; PT; SE
INTERNATIONAL PATENT CLASS: G03G-005/082;
ABSTRACT WORD COUNT: 221

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9708W3	903
CLAIMS B	(German)	9708W3	801
CLAIMS B	(French)	9708W3	925
SPEC B	(English)	9708W3	72202
Total word count - document A			0
Total word count - document B			74831
Total word count - documents A + B			74831

...SPECIFICATION service characteristics and durability to a high voltage, a high image density and a good **halftone** can be obtained without any smeared image even during a prolonged service, and images of...if a large number of image formations are carried out continuously, and the cleanability and **transfer** sheet separability can be also improved. Thus, the durability of an image-forming apparatus can...reactor vessel 4111. In the reactor vessel 4111, microwave-introducing windows 4112 capable of efficiently **transmitting** microwave power into the reactor vessel 4111, made from a material capable of keeping a...

...4117; and an electrode 4118 capable of giving an external electrical bias for controlling the **plasma** potential are provided. The inside of the reactor vessel 4111 is connected to a diffusion...

25/3,K/6 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00984066 **Image available**
A PRINTING CARTRIDGE WITH CAPACITIVE SENSOR IDENTIFICATION
CARTOUCHE D'IMPRESSION COMPORTANT UNE FONCTION D'IDENTIFICATION DES CAPTEURS CAPACITIFS
Patent Applicant/Assignee:
SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
Legal Representative:

SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200313862 A1 20030220 (WO 0313862)
Application: WO 2002AU1055 20020806 (PCT/WO AU0201055)
Priority Application: US 2001922112 20010806
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 143013

30/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00946538
DATA BUS COMMUNICATION TECHNIQUE FOR FIELD INSTRUMENT
DATENKOMMUNIKATIONSVERFAHREN FUR FELDINSTRUMENT
TECHNIQUE DE COMMUNICATION PAR BUS DE DONNEES POUR INSTRUMENTATION D'OBSERVATION
PATENT ASSIGNEE:
ROSEMOUNT INC., (300581), 12001 Technology Drive, Eden Prairie, MN 55344, (US), (Proprietor designated states: all)
INVENTOR:
TETZLAFF, David, E., 5920 Scenic Heights Drive, Minnetonka, MN 55345, (US)
LEGAL REPRESENTATIVE:
VOSSIUS & PARTNER (100314), Siebertstrasse 4, 81675 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 868698 A1 981007 (Basic)
EP 868698 B1 040623
WO 1998014885 980409
APPLICATION (CC, No, Date): EP 97944343 970923; WO 97US16822 970923
PRIORITY (CC, No, Date): US 719843 960930
DESIGNATED STATES: DE; GB
INTERNATIONAL PATENT CLASS: G06F-013/42
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200426	751
CLAIMS B	(German)	200426	653
CLAIMS B	(French)	200426	847
SPEC B	(English)	200426	3416
Total word count - document A			0
Total word count - document B			5667
Total word count - documents A + B			5667

...SPECIFICATION the process control environment, it can also be used in numerous other fields such as **computer** communications, network communications, and in providing serial communications between electronic devices in general. Further, while...

...multistate communications in which at least three data states are utilized. In such a system, **dithering** pulse durations **represent** different data signals. Those skilled in the art will recognize that any number of digital...
...errors which are common under certain conditions by providing a new method of encoding the **transmitted** data. Using the present invention, data transmission occurs at very high sreed because it takes...

30/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00918001
Image supply apparatus, image output apparatus, control apparatus therefor, and image forming apparatus incorporating them

Bildeingabevorrichtung, Bildausgabevorrichtung, zugehorige Steuervorrichtun g und Bilderzeugungsgerat mit diesen Vorrichtungen

Dispositif de sortie d'images, dispositif d'alimentation des donnees d'images, appareil de commande pour lesdits dispositifs, et appareil de formation d'images les comportant

PATENT ASSIGNEE:
CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Proprietor designated states: all)
INVENTOR:
Takahashi, Kazuyoshi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146, (JP)
Watanabe, Takashi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146, (JP)
Yanaka, Toshiyuki, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146, (JP)
Tanaami, Hideyuki, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146, (JP)
LEGAL REPRESENTATIVE:
Grams, Klaus Dieter, Dipl.-Ing. et al (4423), Patentanwaltsburo Tiedtke-Buhling-Kinne & Partner Bavariaring 4-6, 80336 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 837420 A1 980422 (Basic)
EP 837420 B1 030604
APPLICATION (CC, No, Date): EP 97119794 930225;
PRIORITY (CC, No, Date): JP 9239167 920226; JP 92132793 920525; JP 92201621 920728
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
EP 558008 (EP 93102983)
INTERNATIONAL PATENT CLASS: G06K-015/00
ABSTRACT WORD COUNT: 27465
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200323	1258
CLAIMS B	(German)	200323	1025
CLAIMS B	(French)	200323	1411
SPEC B	(English)	200323	19617
Total word count - document A			0
Total word count - document B			23311
Total word count - documents A + B			23311

...SPECIFICATION coded 1-bit pseudo gradation data. Multivalue data is converted into binary data by a **dither** matrix **method** and an error diffusion method and the like. This embodiment employs anyone of the foregoing...

...a problem in that the data is not adaptable to the image data to be **transmitted** and a satisfactory image quality cannot be obtained. Accordingly, this embodiment has an arrangement that...

...are constituted by RAMs. The data for the pallet conversion and the (gamma) conversion is **transmitted** from the host computer H. The data for the HS conversion is inputted through the...

30/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00897697
Optical interference measurement method and system
Verfahren und System zur Messung optischer Interferenzen
Methode et systeme de mesure des interferences optiques
PATENT ASSIGNEE:
Nortel Networks Limited, (3029042), 2351 Boulevard Alfred-Nobel, St. Laurent, Quebec H4S 2A9, (CA), (Proprietor designated states: all)
INVENTOR:
Roberts, Kim Byron, 41 Sherrards Park Road, Welwyn Garden City, Herts, AL8 7DL, (GB)
LEGAL REPRESENTATIVE:
Anderson, Angela et al (78507), Nortel Networks IP Law Group, Harlow Laboratories, London Road, Harlow, Essex CM17 9NA, (GB)
PATENT (CC, No, Kind, Date): EP 820161 A2 980121 (Basic)
EP 820161 A3 001108
EP 820161 B1 040616
APPLICATION (CC, No, Date): EP 97304488 970625;
PRIORITY (CC, No, Date): GB 9615036 960717
DESIGNATED STATES: DE; FR; GB; IT; SE
INTERNATIONAL PATENT CLASS: H04B-010/08
ABSTRACT WORD COUNT: 48
NOTE:
Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199804	718
CLAIMS B	(English)	200425	470
CLAIMS B	(German)	200425	455
CLAIMS B	(French)	200425	573
SPEC A	(English)	199804	4101
SPEC B	(English)	200425	4463
Total word count - document A			4820
Total word count - document B			5961
Total word count - documents A + B			10781

...SPECIFICATION transimpedance amplifier and sampled by an A/D converter, at for example 10 MHz. This **monitor** circuit has a much lower bandwidth than the 10 Gb/s data that is being **transmitted** down the optical link. The sampled data is then analysed, as described below, in a...

...SPECIFICATION transimpedance amplifier and sampled by an A/D converter, at for example 10 MHz. This **monitor** circuit has a much lower bandwidth than the 10 Gb/s data that is being **transmitted** down the optical link. The sampled data is then analysed, as described below, in a...

30/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00873664
SELF-STIMULATION SIGNAL DETECTION IN AN OPTICAL TRANSMISSION SYSTEM
SELBSTSTIMULIERTE SIGNALDETEKTION IN EINEM OPTISCHEN UBERTRAGUNGSSYSTEM

DETECTION DE SIGNAUX PAR AUTO-STIMULATION DANS UN SYSTEME D'EMISSION OPTIQUE

PATENT ASSIGNEE:
NORTEL NETWORKS CORPORATION, (217325), World Trade Center of Montreal 380 St. Antoine Street West 8th Floor, Montreal, Quebec H2Y 3Y4, (CA), (Proprietor designated states: all)

INVENTOR:
O'SULLIVAN, Maurice, Stephen, 84 Harmer Avenue North, Ottawa, Ontario K1Y 0T9, (CA)
ROBERTS, Kim, Byron, 41 Sherrardspark Road Welwyn Garden City, Herts AL8 7LD, (GB)
HARLEY, James, St. Leger, 2898 Baycrest Drive 305, Ottawa, Ontario K1V 0H2, (CA)
WESLOWSKI, Jeffrey, Alan, 1310 Pinecrest Road 601, Ottawa, Ontario K2C 3N8, (CA)

LEGAL REPRESENTATIVE:
Berkson, Michael David et al (28281), Nortel Networks Intellectual Property Law Group London Road, Harlow, Essex CM17 9NA, (GB)

PATENT (CC, No, Kind, Date): EP 875105 A1 981104 (Basic)
EP 875105 B1 991229
WO 9726722 970724

APPLICATION (CC, No, Date): EP 96925616 960731; WO 96CA514 960731

PRIORITY (CC, No, Date): US 588176 960118

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04B-010/08; H04B-010/17

NOTE:
No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	199952	1512
CLAIMS B	(German)	199952	1404
CLAIMS B	(French)	199952	1639
SPEC B	(English)	199952	5926
Total word count - document A			0
Total word count - document B			10481
Total word count - documents A + B			10481

...SPECIFICATION the power monitors that are generally present in optical amplifiers for monitoring the received and **transmitted** signals to determine the energy of the **transmitted** signal. Provisions are made for measuring the ratio of the energy in the **dither present** in the incoming optical signal to the dither energy in the **transmitted** dither. This ratio is also that of the reflected signal power to the **transmitted** signal power.
Figure 1 illustrates a transmission system with a plurality of bi-directional line...

30/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

00567436

Display control system and method
Verfahren und Einrichtung zur Steuerung einer Anzeige
Methode et dispositif de commande d'affichage

PATENT ASSIGNEE:
CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku,

Tokyo, (JP), (applicant designated states: DE;FR;GB;NL)
INVENTOR:
Toshiyuki, Nobutani, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
Kenzoh, Ina, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
Masami, Shimakura, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
Junichi, Tanahashi, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
Kenichiro, Ono, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
Hajime, Morimoto, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
Tatsuya, Sakashita, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
Eiichi, Matsuzaki, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo 146, (JP)
LEGAL REPRESENTATIVE:
Tiedtke, Harro, Dipl.-Ing. et al (11949), Patentanwaltsburo Tiedtke-Buhling-Kinne & Partner Bavariaring 4, 80336 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 570906 A1 931124 (Basic)
EP 570906 B1 981104
APPLICATION (CC, No, Date): EP 93108084 930518;
PRIORITY (CC, No, Date): JP 92126163 920519; JP 92126165 920519; JP 92126166 920519
DESIGNATED STATES: DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: G09G-003/36;
ABSTRACT WORD COUNT: 126

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9845	631
CLAIMS B	(German)	9845	557
CLAIMS B	(French)	9845	680
SPEC B	(English)	9845	4365
Total word count - document A			0
Total word count - document B			6233
Total word count - documents A + B			6233

...SPECIFICATION Reference numeral 406 represents a dither operation circuit which performs the dither process for the **display** data **transferred** from CPU 401 and outputs the binarized **display** data to an address/ **display** multiplexer 408. Reference numeral 407 represents a color palette which converts the **display** data **transferred** from CPU 401 into color data capable of being **displayed** on FLCD 201 and outputs the color data to the address/ **display** data multiplexer 408. The multiplexer 408 multiplexes the **display** data of one line of FLCD and the address data and outputs the **display** data with an address to FLCD. Fig. 3 shows the format of image data with...

...data indicating the order of a lateral scan line of FLCD. Reference numeral 1103 represents **display** data of one line of FLCD. Reference numeral 210 shown in Fig. 2 represents FLCD on which the **display** data **transferred** from the FLCD interface is **displayed** at the **transferred** address.

The display data output operation of the FLCD interface shown in Fig. 2 will...Reference numeral 1006 represents a dither operation circuit which

performs the dither process for the **display** data **transferred** from VRAM 1004 and outputs the binarized **display** data to an address/ **display** multiplexer 1008. Reference numeral 1007 represents a color palette which converts the **display** data 1transferred from VRAM 1004 into color data capable of being **displayed** on FLCD 201 and outputs the color data to the address/ **display** data multiplexer 1008. The multiplexer 1008 multiplexes the **display** data of one line of FLCD 201 and the address data and outputs the **display** data with an address to FLCD 201. The **display** data with an address of one line **transferred** from the FLCD interface 210 is **displayed** at the designated address.

The display data output operation of the FLCD interface shown in... Reference numeral 1206 represents a dither operation circuit which performs the dither process for the **display** data **transferred** from the interlacing **display** controller 1201 and outputs the binarized **display** data to an address/ **display** multiplexer 1208. Reference numeral 1207 represents a color palette which converts the **display** data **transferred** from the interlacing **display** controller 1201 into color data capable of being **displayed** on FLCD 201 and outputs the color data to the address/ **display** data multiplexer 1208. The multiplexer 1208 multiplexes the **display** data of one line of FLCD 201 and the address data and outputs the **display** data with an address to FLCD 201. The **display** data with an address of one line **transferred** from the FLCD interface 210 is **displayed** at the designated address.

The display data output operation of the FLCD interface 210 shown...

30/3,K/6 (Item 6 from file: 348)

00312798

System for producing dithered images on asymmetric grids.
System zur Erzeugung von Zitterbildern nach asymmetrischen Rastern.
Systeme produisant des images en demi-teintes selon des grilles asymetriques.

PATENT ASSIGNEE:
DIGITAL EQUIPMENT CORPORATION, (313081), 111 Powdermill Road, Maynard Massachusetts 01754-1418, (US), (applicant designated states: DE;FR;GB;IT;NL;SE)
INVENTOR:
Ulichney, Robert A., 17 Healey Street, Cambridge Massachusetts 02138, (US)
LEGAL REPRESENTATIVE:
Goodman, Christopher et al (31122), Eric Potter & Clarkson 14 Oxford Street, Nottingham NG1 5BP, (GB)

PATENT (CC, No, Kind, Date): EP 293214 A2 881130 (Basic)
EP 293214 A3 901219
APPLICATION (CC, No, Date): EP 88304814 880527;
PRIORITY (CC, No, Date): US 56630 870529
DESIGNATED STATES: DE; FR; GB; IT; NL; SE
INTERNATIONAL PATENT CLASS: H04N-001/40;
ABSTRACT WORD COUNT: 74

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count
CLAIMS A (English) EPABF1 146

SPEC A	(English)	EPABF1	6117
Total word count - document A			6263
Total word count - document B			0
Total word count - documents A + B			6263

...SPECIFICATION dithering techniques have been developed to generate dithered pixel values so that the halftone or **dithered** image as **rendered** by a **display** device is perceptually similar to the actual image. Generally, values from a dither matrix are applied to the continuous tone pixel values to generate dithered pixel values which are **transmitted** to the **display** device. See, for example, J. Foley and A. van Dam, Fundamentals of Interactive **Computer** Graphics, pp. 597-601. The dither matrix is an array of threshold values. Starting with...

...the pixel, otherwise the pixel is assigned the dither pixel value "0", in a halftone **display** . If the output is to be a non-binary dithered output, that is, if the...

30/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

00309596

A technique for repelling carriers in optical communications to minimize mutual interference.

Verfahren zum Auseinanderlegen von Tragern in optischen Ubertragungen zur Minimierung der gegenseitigen Interferenz.

Technique pour ecarter les porteuses dans la communication optique pour minimiser l'interference mutuelle.

PATENT ASSIGNEE:
AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412, (US), (applicant designated states: BE;DE;FR;GB;SE)
INVENTOR:
Foschini, Gerard Joseph, 79 Orchard Street, South Amboy New Jersey 08879, (US)
LEGAL REPRESENTATIVE:
Watts, Christopher Malcolm Kelway, Dr. et al (37392), AT&T (UK) LTD. AT&T Intellectual Property Division 5 Mornington Road, Woodford Green Essex IG8 OTU, (GB)

PATENT (CC, No, Kind, Date): EP 281306 A2 880907 (Basic)
EP 281306 A3 900816
EP 281306 B1 940126
APPLICATION (CC, No, Date): EP 88301556 880224;
PRIORITY (CC, No, Date): US 34135 870303
DESIGNATED STATES: BE; DE; FR; GB; SE
INTERNATIONAL PATENT CLASS: H04J-015/00;
ABSTRACT WORD COUNT: 204

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	453
CLAIMS B	(German)	EPBBF1	397
CLAIMS B	(French)	EPBBF1	522
SPEC B	(English)	EPBBF1	2798
Total word count - document A			0
Total word count - document B			4170

Total word count - documents A + B 4170

...SPECIFICATION equally spaced carriers as shown in FIG. 2. In accordance with the present technique, each **transmitter** of **the** system slowly **dithers** the FDM signals of its **transmitted** channel, **while** each receiver **monitors** and measures the interference level due to **the** channels on either side **of** the channel it desires to receive, and feeds back that information to the **transmitter** originally **sending** the desired signal. That **transmitter** will then use the information **to** move **the** frequency of its own **lightwave** carrier in such a way as to minimize that interference. The repelling carrier technique is...

30/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00239719
Pixel-density conversion technique for continuous-tone image.
Verfahren zur Umsetzung der Bildelementdichte fur Grautonbilder.
Procede de conversion de densite d'elements d'image pour images a tonalites continues.
PATENT ASSIGNEE:
KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho Saiwai-ku, Kawasaki-shi Kanagawa-ken 210, (JP), (applicant designated states: DE;FR;NL)
INVENTOR:
Yoneda, Hitoshi c/o Patent Division, Kabushiki Kaisha Toshiba 1-1 Shibaura 1-chome, Minato-ku Tokyo 105, (JP)
Kamiyama, Tadanobu c/o Patent Division, Kabushiki Kaisha Toshiba 1-1 Shibaura 1-chome, Minato-ku Tokyo 105, (JP)
LEGAL REPRESENTATIVE:
Henkel, Feiler, Hanzel & Partner (100401), Mohlstrasse 37, W-8000 Munchen 80, (DE)
PATENT (CC, No, Kind, Date): EP 238034 A2 870923 (Basic)
EP 238034 A3 900207
EP 238034 B1 930526
APPLICATION (CC, No, Date): EP 87103825 870317;
PRIORITY (CC, No, Date): JP 8658640 860317
DESIGNATED STATES: DE; FR; NL
INTERNATIONAL PATENT CLASS: H04N-001/40;
ABSTRACT WORD COUNT: 175

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	610
CLAIMS B	(German)	EPBBF1	530
CLAIMS B	(French)	EPBBF1	733
SPEC B	(English)	EPBBF1	3638

Total word count - document A 0
Total word count - document B 5511
Total word count - documents A + B 5511

...SPECIFICATION reality.
The reason why the local image-density information of the original image is exactly **transferred** to the converted image even if the selected position of the fiducial point Of is...

...n are zero or integers), are densely arrayed in the row and column directions, as **shown** . Each **dither** matrix M has the matrix pattern **shown** in **Fig** . 1. A repeating pattern of the dither matrices M(m, n) shown in Fig. 6...

30/3,K/9 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00929422 **Image available**
COLOR IMAGE DISPLAY ACCURACY USING COMPARISON OF COLORED OBJECTS TO DITHERED BACKGROUND
PRECISION D'AFFICHAGE D'IMAGE COULEUR SE SERVANT DE LA COMPARAISON D'OBJETS COLORES AVEC DES ARRIERE-PLANS DIFFUS
Patent Applicant/Assignee:
IMATION CORP, 1 Imation Place, Post Office Box 64898, Saint Paul, MN 55164-0898, US, US (Residence), US (Nationality)
Inventor(s):
EDGE Christopher J, Post Office Box 64898, Saint Paul, MN 55164-0898, US,

FISCHER Timothy A, Post Office Box 64898, Saint Paul, MN 55164-0898, US,
Legal Representative:
BAUER William D (et al) (agent), Imation Legal Affairs, Post Office Box 64898, Saint Paul, MN 55164-0898, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200263458 A1 20020815 (WO 0263458)
Application: WO 2001US20518 20010628 (PCT/WO US0120518)
Priority Application: US 2001778515 20010207
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 19205

Fulltext Availability:
Claims

Claim
... gray elements
displayed by the display device that appears to most closely blend with a **dithered** gray background that **represents** a gray level of approximately 25 to 40%; and
one or more color correction modules that modify the color images **transmitted** by the color image server based on the information to improve the accuracy of the color images when **displayed** on the respective **display** device.
52
. A **computer** -readable medium containing instructions that cause a programmable processor to:
display a plurality of gray elements on a **display** device against a **dithered**
gray background **representing** a gray level of approximately 25 to 40%; select one the gray elements that appears to most closely blend with a

dithered gray background; and
estimate a gamma for the **display** device based on the selected gray element.
I 0

13 The computer-readable medium of...gray elements displayed by the display device that appears to most closely blend with a **dithered** gray background that **represents** a gray level of approximately 25 to 40%; and
55
one or more color correction modules that modify the color images **transmitted** by the color image server based on the information to improve the accuracy of the color images when **displayed** on the respective **display** device.
56

30/3,K/10 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00566667 **Image available**
ADVANCED DEFERRED SHADING GRAPHICS PIPELINE PROCESSOR
PROCESSEUR PIPELINE GRAPHIQUE EVOLUE A OMBRAGE DIFFERE
Patent Applicant/Assignee:
APPLE COMPUTER INC, 1 Infinite Loop, Cupertino, CA 95014-2084, US, US (Residence), US (Nationality)
Inventor(s):
DULUK Jerome F Jr, 950 North California Drive, Palo Alto, CA 94303, US,
HESSEL Richard E, 3225 Flemington Court, Pleasanton, CA 94588, US,
ARNOLD Vaughn T, 621 Canepa Drive, Scotts Valley, CA 95066, US,
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BRATT Joseph P, 1045 Oaktree Drive, San Jose, CA 95129, US,
CUAN George, 798 Lusterleaf Drive, Sunnyvale, CA 94086, US,
DODGEN Steven L, 15735 Forest Hill Drive, Boulder Creek, CA 95006, US,
FANG Emerson S, 1197 Wisteria Drive, Fremont, CA 94539, US,
GONG Zhaoyu G, 1342 S. Stelling Road, Cupertino, CA 95014, US,
HO Thomas Y, 40732 Ondina Place, Fremont, CA 94539, US,
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NG Sam, 34377 Maybird Circle, Fremont, CA 94555, US,
PAPAKIPOS Matthew N, 1701 Oak Avenue, Menlo Park, CA 94025, US,
REDGRAVE Jason R, 278 Martens Avenue, Mountain View, CA 95040, US,
TRIVEDI Sushma S, 1208 Rembrandt Drive, Sunnyvale, CA 94087, US,
TUCK Nathan D, 8666 Somerset Avenue, San Diego, CA 92123, US,
GO Shun Wai, 370 Sandhurst Drive, Milpitas, CA 95035, US,
FUNG Lindy, 358 Pescadero Terrace, Sunnyvale, Ca 94086, US,
NGUYEN Tuan D, 5327 Birch Grove Drive, San Jose, CA 95123, US,
GRASS Joseph P, 357 Lennox Avenue, Menlo Park, CA 94025, US,
HONG Bor-Shyue, 2325 Oak Flat Road, San Jose, CA 95131, US,
MAMMEN Abraham, 2780 Lylewood Drive, Pleasanton, CA 94588, US,
RASHID Abbas, 34369 Eucalyptus Terrace, Fremont, CA 94555-1982, US,
TSAY Albert Suan-Wei, 38129 Cambridge Court, Fremont, CA 94536, US,
Legal Representative:
ANANIAN R Michael (et al) (agent), Flehr Hohbach Test Albritton & HerberT LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111-4187, US
,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200030040 A1 20000525 (WO 0030040)

Application: WO 99US18971 19990820 (PCT/WO US9918971)
Priority Application: US 9897336 19980820; US 98213990 19981217
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 180456

Fulltext Availability:
Detailed Description

Detailed Description
... given tile, then the clear operation can be incorporated into the Begin Tile packet (not **send** along as a separate packet from SRT), thereby avoiding frame buffer read operations usually performed...Memory usage) the driver software to determine which state 35 parameters have changed, and then **send** only the changed parameters into the pipeline. This simplifies the hardware because the simple Dirty...
...state is the same as the immediately previous state, the 40 software driver does not **send** any state information to the hardware, and the hardware continues - 97 to use the same...

...keeps a pre-compiled version of microcode for all possible choices of parameters, and simply **sends** appropriate versions of microcode (or pointers thereto) into the pipeline as state information is needed... Polygon Memory. Depending on where we are in the vertex list we may need to **send** vertices to the next buffer that have already been written to the current buffer. This...

...only one previous vertex while points are not paired with other vertices at all. MIJ **sends** a signal to MEX when MIJ is done with a page of Polygon Memory. Since...responsible for retrieving the texels, unpacking and filtering the texel data as needed. FRG block **sends** texture id, s, t, r, L.O.D., level, as well as the texture mode...

...require 125GB/sec of Polygon Memory bandwidth for reading the data, and as much for **sending** the data down the pipeline. It is not desirable to retrieve all the data for...

...could use this coherence to reduce the amount of data read from Polygon Memory and **transferred** to Fragment and Pixel blocks. If the current VSP originates from the same primitive as...for retrieving the data from the Polygon Memory, we still need to deal with data **transfer** from MIJ to FRG and PXL blocks every time the data changes. We resolve this...

...responsible for retrieving the relevant data for each of the units from Polygon Memory and **sending** it down to the units, it needs to know the current state of each of...

...processing unit has the necessary state to process the new packet. If

not, MIJ first **sends** to that processing unit packets containing the necessary state information, followed by the packet to...and the CCIX is incorporated in the VSP going out to the Fragment block.

MIJ **sends** three kinds of color cache fill packets to the FRG block. The Color Cache Fill...

...Additionally, the present invention spatially sorts image data before the end of the pipeline and **sends** only those image data that represent the visible portions of a window to subsequent processing...

...scene complexity and horizon complexity in subsequent stages of a 3-D graphics pipeline, by **sending** image data to subsequent stages of the graphics pipeline in a manner that statistically balances...the present invention. Personal computer 101 simply serves as a convenient interface for receiving and **transmitting** messages to 3-D graphics processor 1 1 7.

Referring to FIG. C 2, there...

...CFD 405" handles communications with host computer 101 through graphics port 1 14. CFD 405 **sends** 2-D screen based data, such as bitmap blit window operations, directly to backend 440...

...3-D model. These calculations include transformations, vertex lighting, clipping, and primitive assembly. Geometry 410 **sends** "properly oriented" geometry primitives to mode extraction 415.

Mode extraction 41 5 ("MEV) separates the...

...identified by the image data. Sort 215 is additionally designed around a need to efficiently **send** the spatially sorted image data in a tile-by-tile manner across 1/0 bus...
...of the graphics pipeline into sort memory 315, and subsequently notifies read control 310 to **send** the sorted spatial data from sort memory 315 to a next stage in the graphics...

...overcomes the shortcomings of the state of the art by providing structure and method to **send** only those image data that represent the visible portions of a window down stages of...1 andCI2.

In yet another preferred embodiment of the present invention, read control 31 0 **sends** the spatially sorted image data to a next to process (see FIG. C 5) in...

30/3,K/11 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00447023 **Image available**
METHOD AND SYSTEM FOR ACCESSING AND RENDERING AN IMAGE FOR TRANSMISSION OVER A NETWORK
PROCEDE ET SYSTEME D'ACCES A L'IMAGE ET DE RENDU D'IMAGE POUR TRANSMISSION SUR RESEAU
Patent Applicant/Assignee:
TRUESPECTRA INC,
Inventor(s):

SUTHERLAND Stephen B,
WICK Dale M,
GIGNAC John Paul J,
RADULOVIC Sasa,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9837487 A1 19980827
Application: WO 98CA110 19980217 (PCT/WO CA9800110)
Priority Application: CA 2197822 19970218; CA 2211368 19970724
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU BR CN GB JP MX SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 10559

Fulltext Availability:
Detailed Description

Detailed Description
... that the server can appropriately render its output for the device.

With traditional methods of **transmitting** an image, the image is stored in a **display** format known as RGB in which a pixel for **display** is represented by 8 bits of colour information in each of the red, green and...

...During the rendering process of the present invention, the render engine.is preferably requested to **dither** the data and **render** the image scan line by scan line in the CMYK colour space. This transformation reduces...

...The image is rendered on a scan line by scan line basis and it is **transmitted** over Internet overlapped with the rendering process and printing may begin immediately on the client...

30/3,K/12 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00424423 **Image available**
DATA BUS COMMUNICATION TECHNIQUE FOR FIELD INSTRUMENT
TECHNIQUE DE COMMUNICATION PAR BUS DE DONNEES POUR INSTRUMENTATION D'OBSERVATION
Patent Applicant/Assignee:
ROSEMOUNT INC,
Inventor(s):
TETZLAFF David E,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9814885 A1 19980409
Application: WO 97US16822 19970923 (PCT/WO US9716822)
Priority Application: US 96719843 19960930
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
BR CA CN SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English

Fulltext Word Count: 4422

Fulltext Availability:
Detailed Description

Detailed Description
... the process control environment, it
can also be used in numerous other fields such as
computer communications, network communications, and in
providing serial communications between electronic
devices in general. Further, while...

...state communications in which at least three data states
are utilized. In such a system, **dithering** pulse
durations **represent** different data signals. Those
skilled in the art will recognize that any number of
digital...errors which are common under certain conditions by
providing a new method of encoding the **transmitted** data.

Using the present invention, data transmission occurs at
very high sreed because it takes...

30/3,K/13 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00385979 **Image available**
SELF-STIMULATION SIGNAL DETECTION IN AN OPTICAL TRANSMISSION SYSTEM
DETECTION DE SIGNAUX PAR AUTO-STIMULATION DANS UN SYSTEME D'EMISSION OPTIQUE
Patent Applicant/Assignee:
NORTHERN TELECOM LIMITED,
Inventor(s):
O'SULLIVAN Maurice Stephen,
ROBERTS Kim Byron,
HARLEY James St Leger,
WESLOWSKI Jeffrey Alan,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9726722 A1 19970724
Application: WO 96CA514 19960731 (PCT/WO CA9600514)
Priority Application: US 96588176 19960118
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 11833
Fulltext Availability:
Detailed Description

Detailed Description
... the power
monitors that are generally present in optical amplifiers for
monitoring the received and **transmitted** signals to determine the
energy of the **transmitted** signal. Provisions are made for measuring
the ratio of the energy in the **dither present** in the incoming optical
signal to the dither energy in the **transmitted** dither. This ratio is

also that of the reflected signal power to the **transmitted** signal power.

Figure 1 illustrates a transmission system with a plurality of bidirectional line amplifiers...

30/3,K/14 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00296755 **Image available**
MODULAR LASER GYRO
GYROSCOPE A LASER MODULAIRE
Patent Applicant/Assignee:
HONEYWELL INC,
Inventor(s):
KILLPATRICK Joseph E,
BERNDT Dale F,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9514906 A2 19950601
Application: WO 94US13689 19941129 (PCT/WO US9413689)
Priority Application: US 93161555 19931129
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU BR CA CN JP KR NO RU AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 36640

Fulltext Availability:
Claims

Claim
... start sequence showing the microcontroller high speed output timing. Figure 45 shows a dither drive **monitor** . Figure 46 shows a readout counter **monitor** . Figure 47 shows a laser drive current **monitor** . Figure 48 shows a temperature sensor limit test. Figure 49 shows a method of detecting...59 shows the method of mode hopping of the invention. Figure 60 shows the PLC **monitor** voltage mode diagram illustrating the LIM signal during mode hopping. 0 Figure 61 shows a...

...techniques. The microcontroller 100 further includes a communications device such as a universal asynchronous receiver/ **transmitter** (UART) 202 which communicates to an external processing system 21 0 through **transmit** line 204 and receive line 206. The modular laser gyro 10 ftu-ther comprises a...laser gyro. The process then flows to step 226 to initialize the UART IO which **sends** and receives data from the external processing system 210 controlling the modular gyro. The UART...

...then flows to 242 to set up the interrupts for the real time clock, the **transmit** receiver, the high speed input logic, and high speed output logic and software interrupt. The...200. The laser block has a number of sensors including a temperature sensor 33 which **sends** a temperature signal which is amplified by temperature sensor amplifier 58 which provides a temperature...

...up from photo diode 56 connected to DC amplifier 68 which provides the

function of the PLC **monitor** voltage at node 176. Thus the present invention allows the calculation of volts per mode...temperature in step 6372. The microprocessor 120 then calculates the voltage expected from the PLC **monitor** according to the equation VPLC equals the constants V0, VI, V2 and V3 used in...

...peak 6377. The process then moves to step 6378 where the voltage of the PLC **monitor** is measured. The process then advances to step 6380 where the new Vo is calculated...

...the equation
2 3
Vo=VpLCMON@VIT@V2T V3T where VpLcmoN is now the measured **monitor** voltage. The new Vo is stored in EEPROM in step 63 82 to be used in the subsequent sweeping of the PLC **monitor** . The process then drops to step 63 84 where the volts per mode is recalibrated...

...the method of Figure 57. The process then steps to step 9206 where the PLC **monitor** voltage is measured with the A/D converter on the microcontroller 1 00. The process then steps to 9208 where the voltage of the PLC **monitor** is compared against the desired PLC voltage. The desired 1 5 PLC voltage is input at step 9209. If the PLC **monitor** voltage measured from the system is greater than the desired PLC voltage, the process continues...mode of the laser gyro. The process starts by first measuring the path length control **monitor** voltage at step 9220. The process then flows to step 9222 where
2
the target...

...using the methods of Figure 56. Vpl is the voltage of the path length control **monitor** at one mode higher than the primary mode. Vp-, is the voltage of the path length control **monitor** at one mode lower than the primary mode. The process step 9222 calculates the next...

30/3,K/15 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00273810
LASER GYRO DITHER STRIPPER
APPAREIL DE SUPPRESSION DU SIGNAL D'ACTIVATION D'UN GYROLASER
Patent Applicant/Assignee:
HONEYWELL INC,
Inventor(s):
FRITZE Keith R,
KILLPATRICK Joseph E,
BERNDT Dale F,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9421986 A1 19940929
Application: WO 93US2697 19930322 (PCT/WO US9302697)
Priority Application: WO 93US2697 19930322
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 10268

Fulltext Availability:
Detailed Description

Detailed Description
... dither stripper and
background conversions such as those required to compute
the quadratures of the **dither** . The process **shown** in Figure
9 is the method by which the A/D conversions are handled
depending...

30/3,K/16 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00270588
TRANSMISSION OF DIGITAL DATA WORDS REPRESENTING A SIGNAL WAVEFORM
TRANSMISSION DE MOTS CONTENANT DES DONNEES NUMERIQUES REPRESENTANT UNE FORME D'ONDE DE SIGNAL
Patent Applicant/Assignee:
GERZON Michael Anthony,
CRAVEN Peter Graham,
Inventor(s):
GERZON Michael Anthony,
CRAVEN Peter Graham,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9418762 A1 19940818
Application: WO 94GB297 19940215 (PCT/WO GB9400297)
Priority Application: GB 932982 19930215
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 17169
Fulltext Availability:
Claims

Claim
... the accompanying drawings in
which
Figure 1 shows pseudo random encoding and decoding of
data **transmitted** via a digital channel to ensure noise-like
behavior.
Figure 2 shows a binary pseudorrandom...

...a schematic of processing of data to form
an audio noise-like signal.
Figure 4 **shows** subtractive **dither** around a uniform
quantizer.
Figure 5 **shows** subtractive **dither** using a combination of
discrete and continuous RPDF **dither** .
Figure 6 **shows** a noise shaped subtractively dithered
uniform quantizer. Figure 7 shows an "outer" form equivalent to...
including programmable logic chips and arithmetic
logic units and general purpose central processors used in
computers . Logic algorithms for pseudo-random encoding and
decoding of data, such as described below in...

30/3,K/17 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00245383
PORTABLE SPIROMETER WITH IMPROVED ACCURACY
SPIROMETRE PORTABLE A PRECISION AMELIOREE
Patent Applicant/Assignee:
GOVERNMENT OF THE UNITED STATES as represented by THE SECRETARY
DEPARTMENT OF HEALTH AND HUMAN SERVICES,
HANKINSON John L,
VIOLA Joseph O,
EBELING Thomas R,
Inventor(s):
HANKINSON John L,
VIOLA Joseph O,
EBELING Thomas R,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9319669 A2 19931014
Application: WO 93US3030 19930331 (PCT/WO US9303030)
Priority Application: US 92625 19920331
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 13404

Fulltext Availability:
Claims

Claim
... of data collector 32, are various other operator interface devices, such as a keyboard, a **display** , and a printing device. These devices may be used in conjunction with the inventive spirometer...

...portable device 10 (including pneumotach 8), (2) a data collector 32, and (3) a personal **computer** (PC) 34* The pneumotach 8, which is illustrated by the elements shown in Figure 1...is completed, the system is reconnected as in Figure 5 and the acquired data is **transferred** to the PC for innovative drift, temperature and quality checks, as well as for archiving...

...which, as hereinabove described, measures flow by detecting a pressure drop developed across a ceramic **screen** . Analog-to-digital circuitry included in compartment 22 converts the pressure differential to a binary...

...sampled at a rate of 200 samples/sec and,, together,, the sampled 30 data are **transmitted** at 9600 baud to a standard RS232 serial data port 31, provided for communication with...

...element used therein
5 does not condense moisture., as is the case with other unheated **screen** sensors, thus providing a significant advantage, More specifically, moisture condensation from expired air can cause very large measurement errors by occluding the sensor **screen** openings, Since a large amount of electrical power must usually be dissipated to heat the...the + 8 volts used to power the flow sensor, The A/D is used to **monitor** the battery voltage using four of the 8 A/D channels.
- a compact (3"x4...

30/3,K/18 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00113474
ARRANGEMENT FOR PROVIDING A FLICKERLESS ORDERED DITHER IMAGE FOR A VIDEO DISPLAY
AGENCEMENT PERMETTANT D'OBTENIR UNE IMAGE DE TREMBLEMENT ORDONNE SANS PAPILLOTTEMENT POUR UN AFFICHAGE VIDEO
Patent Applicant/Assignee:
WESTERN ELECTRIC COMPANY INC,
Inventor(s):
SAUTTER Helmuth Otto,
SWICKER Donald Bruce,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8301168 A1 19830331
Application: WO 82US1132 19820823 (PCT/WO US8201132)
Priority Application: US 81165 19810924
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
DE FR GB JP NL
Publication Language: English
Fulltext Word Count: 3299
Fulltext Availability:
Detailed Description

Detailed Description
... using binary picture elements has been developed. The arrangement applies vertical PEL pairing at the **transmitter** and requires no inociification at the receivers By arranging the PELs in rows in the...

...an intensity equal to a PEL located in an adjacent row, the flicker in the **display** is eliminatede
brief Description of the Drawing
FIG* 1 is a block diagram of the major functional components of a first embodiment of the dither **display** transmission arrangement;
FalGe 2 **illustrates** two ordered **dither** matrices with actual or effective threshold values assigned in each sample point;

FIG. 3 illustrates...
...block diagram showing
the ma-'or functional components of a second embodiment of the dither **display** arrangement and general interaction of these components with each other.

Detailed Description
Referring now to FIG. 1, there is shown a dither **display** arrangement comprising a **transmitter** 100, a dither generator 125, and a transmission channel 150a Included in /.5 the **transmitter** 100 is a cam ra 101j, which scans a picture image and provides an analog video signal. **Transmitter** 100 further includes a c;ock 105 and a dither generator 125, which generates a...channel 150 to a receiver (not shown)o
Referring once again to &'IG. 2,, the **dither** matrix **illustrated** in diagram 210 is suitable for use in the **display** transmission arrangement of FIGo lo' The threshold values, representing a range of brightness levels in...sartle brightness range*
it should be noted that the dither inatrix utilized in a dithered **display** transmission system, such as that shown in FIG. I, can be chosen to comprise more...

33/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00906012
System generating display control signals adapted to the capabilities of the display device
Anordnung zum Erzeugen von an den Fahigkeiten des Bildschirms adaptierten Anzeigesteuersignalen
Generateur de signaux de commande d'affichage adaptes aux capacites du dispositif d'affichage
PATENT ASSIGNEE:
CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (applicant designated states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
Miyamoto, Katsuhiro, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick Court High Holborn, London WC1R 5DJ, (GB)
PATENT (CC, No, Kind, Date): EP 827131 A2 980304 (Basic)
EP 827131 A3 990303
APPLICATION (CC, No, Date): EP 97306600 970828;
PRIORITY (CC, No, Date): JP 96228521 960829
DESIGNATED STATES: DE; ES; FR; GB; IT; NL; SE
INTERNATIONAL PATENT CLASS: **G09G-003/36** ; **G09G-003/20**
ABSTRACT WORD COUNT: 87

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9810	1107
SPEC A	(English)	9810	3910
Total word count - document A			5017
Total word count - document B			0
Total word count - documents A + B			5017

INTERNATIONAL PATENT CLASS: **G09G-003/36** ...

... **G09G-003/20**

...SPECIFICATION The control unit 4 can perform an arithmetic operating process by a microprocessor and can **transfer** input and output **data** . Reference numeral 5 denotes a digital halftone processing unit for dither processing input video data...

...a motion detection unit for comparing dither halftone data of the previous frame with dither **halftone** data outputted at **present** , thereby detecting a motion; 10 the rewriting control unit for controlling the reading operation of...

...motion detection result by the motion detection unit 9 and rewriting speed information from a **display** unit 14 in a manner such that an image which is **displayed** on the **display** unit is rewritten on a line unit basis; 11 a halftone control unit for processing...

...horizontal direction); 12 a line output unit for adding a scanning address indicative of a **display** position on the **display** unit 14 to

the image data and for transferring the resultant image data to the **display** unit 14; 13 a driving unit which is controlled by the control unit 4 and line output unit 12 and drives the **display** unit 14; and 14 the **display** unit having a matrix configuration and comprising a **display** panel which is made of ferroelectric liquid crystal having a memory performance, a driving circuit, a back light, and the like. The **display** unit 14 has therein an ROM in which data that indicates the number of colors which can be **displayed** , a resolution of a panel, a **data transfer** period (corresponding to a frame period of the panel) which is necessary for the **display** unit 14, and the like and that is peculiar to each **display** unit has been stored. This data is outputted to the control unit 4. Reference numeral...

33/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00573604
Display control apparatus and method
Verfahren und Einrichtung zur Steuerung einer Anzeige
Methode et dispositif de commande d'affichage
PATENT ASSIGNEE:
CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
Hasegawa, Taketo, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick Court High Holborn, London WC1R 5DJ, (GB)
PATENT (CC, No, Kind, Date): EP 573174 A1 931208 (Basic)
EP 573174 B1 970917
APPLICATION (CC, No, Date): EP 93303831 930518;
PRIORITY (CC, No, Date): JP 92126146 920519
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: **G09G-003/36**
ABSTRACT WORD COUNT: 173

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9709W2	995
CLAIMS B	(German)	9709W2	774
CLAIMS B	(French)	9709W2	1124
SPEC B	(English)	9709W2	5649
Total word count - document A			0
Total word count - document B			8542
Total word count - documents A + B			8542

INTERNATIONAL PATENT CLASS: **G09G-003/36**

...SPECIFICATION buffer (c) (one pixel consists of eight bits) to store the display data of one **image** plane and **transfer** the **data** to a conversion circuit 36. The conversion circuit 36 executes a pseudo

halftone process. As **shown** in detail in Fig. 3B, the conversion circuit 36 has: a buffer 361 for one...

...denotes a frame buffer (d) (one pixel consists of eight bits) to store the data **displayed** at that time point by an amount corresponding to one image plane. Reference numeral 35...order to display continuous image data like an animation.

In the FLCD interface 27, the **transferred** display **data** is sent to the switcher 28, by which the number of lines of the display...

...35 in the case where even one pixel in the line differs. The compared display **data** is **transferred** to the frame buffer (c) 34. The above processes are sequentially repeated by an amount...

...flag has been set. When the above error diffusion method is used in the pseudo **halftone** process, as **shown** in Fig. 6, as for a certain pixel, the error differences of the preceding pixels...

33/3,K/3 (Item 3 from file: 348)

00199755

Variable access frame buffer memory.

Bildpufferspeicher mit variablem Zugriff.

Memoire tampon d'image a acces variable.

PATENT ASSIGNEE:
TEKTRONIX, INC., (463989), Corporate Headquarters, 26600 S.W. Parkway, Wilsonville, Oregon 97070-1000, (US), (applicant designated states: DE;FR;GB;NL)
INVENTOR:
Knierim, David L., 10305 S. W. Ashton Circle, Wilsonville Oregon 97070, (US)
LEGAL REPRESENTATIVE:
Weickmann, Heinrich, Dipl.-Ing. et al (12833), Patentanwalte H.Weickmann, Dr. K.Fincke F.A. Weickmann, B. Huber Dr. H. Liska, Dr. J. Prechtel Kopernikusstrasse 9 Postfach 86 08 20, W-8000 Munchen 86, (DE)

PATENT (CC, No, Kind, Date): EP 197412 A2 861015 (Basic)
EP 197412 A3 891108
EP 197412 B1 921230
APPLICATION (CC, No, Date): EP 86104014 860324;
PRIORITY (CC, No, Date): US 720662 850405
DESIGNATED STATES: DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: **G09G-001/16**
ABSTRACT WORD COUNT: 159

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	465
CLAIMS B	(German)	EPBBF1	406
CLAIMS B	(French)	EPBBF1	565
SPEC B	(English)	EPBBF1	7371
Total word count - document A			0
Total word count - document B			8807
Total word count - documents A + B			8807

INTERNATIONAL PATENT CLASS: **G09G-001/16**

...SPECIFICATION large areas of the display with a solid color.

The topology of the data controllers **20** , **in** conjunction **with** the programmable aspect of **logic** circuit **82** , permits manipulation of pixel and plane word data in a wide variety of ways allowing...

...5C represents a graphical character, in this case a large black X on a white **background** , to be superimposed as a halftone on the existing image of FIG. 5A such that...

?

37/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00610452
DRIVING METHOD FOR LIQUID CRYSTAL DISPLAY
ANSTEUERVERFAHREN FUR FLUSSIGKRISTALLANZEIGE
PROCEDE D'ATTAQUE POUR UNITE D'AFFICHAGE A CRISTAUX LIQUIDES
PATENT ASSIGNEE:
Citizen Watch Co. Ltd., (628279), 1-12, Tanashicho 6-chome, Nishitokyo-shi, Tokyo 188-8511, (JP), (Proprietor designated states: all)
INVENTOR:
AKIYAMA, Takashi, 2932-9, Mihara-cho 2-chome, Tokorozawa-shi, Saitama 359, (JP)
LEGAL REPRESENTATIVE:
Prufer, Lutz H., Dipl.-Phys. et al (38291), Harthauser Strasse 25d, 81545 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 596137 A1 940511 (Basic)
EP 596137 A1 960724
EP 596137 B1 030108
WO 93023785 931125
APPLICATION (CC, No, Date): EP 93910359 930519; WO 93JP658 930519
PRIORITY (CC, No, Date): JP 92150076 920519
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G02F-001/133; G09G-003/36
ABSTRACT WORD COUNT: 149
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	385
CLAIMS B	(English)	200302	243
CLAIMS B	(German)	200302	180
CLAIMS B	(French)	200302	272
SPEC A	(English)	EPABF2	8408
SPEC B	(English)	200302	8121
Total word count - document A			8794
Total word count - document B			8816
Total word count - documents A + B			17610

...ABSTRACT four fiducial voltage sets are arranged for a 4-bit A/D converter (1). The **dither** method in which arbitrary two of the fiducial voltage sets are switched per field to execute the A/D conversion is adopted for the **display** of a first pixel. Likewise, for an adjacent **second** pixel, the **representation** by the **dither** method is made by the use of the remaining two fiducial voltage sets. Hence, with the application of the **dither** method by the different fiducial voltage sets between the adjacent pixels, the area gradation is generated, thus making a 64-gradational **display** possible by the **dither** method and area gradation. Also, since the **dither** cycle is 1/30 second, a high quality **display** can be obtained without any flicker disturbance. (see image in original document)

37/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01044197
METHOD FOR ADJUSTING A USER INTERFACE IN A PRE-PRESS WORKFLOW SYSTEM
PROCEDE POUR ADAPTER UNE INTERFACE UTILISATEUR DANS UN SYSTEME DE FLUX DE TRAVAUX DE PRE-PRESSE
Patent Applicant/Assignee:
AGFA-GEVAERT, Corporate IP Department 3800, Septestraat 27, B-2640 Mortsel, BE, BE (Residence), BE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
HELSEN WIM, c/o AGFA-GEVAERT, Corporate IP Department 3800, Septestraat 27, B-2640 Mortsel, BE, BE (Residence), BE (Nationality), (Designated only for: US)
Patent and Priority Information (Country, Number, Date):
Patent: WO 200373192 A2-A3 20030904 (WO 0373192)
Application: WO 2003EP50033 20030225 (PCT/WO EP03050033)
Priority Application: EP 2002100202 20020228; US 2002373477 20020418
Designated States:
(Protection type is "patent" unless otherwise stated - for applications

prior to 2004)
JP US
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI SK TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 1610

Fulltext Availability:
Claims

Claim
... the dependent claims. Preferably, a method in accordance with the invention is implemented by a **computer** program as claimed in claim 11. In the present invention, the UI representation of a...then sets a parameter that defines the job type, which will subsequently define the UI **representation** . In a **second** embodiment of the invention, the pre-press workflow software checks one or more characteristics ...is the following. Depending on the job type, a parameter is set in order to **display** a list of **halftone screens** especially suited for the job type. For packaging, a list of **halftone screens** suited for flexographic printing will be **displayed** , while for commercial printing, the list will contain **halftone screens** suited for offset printing. Thus, in general, a parameter for the job type is set, and, depending on this parameter, specific data are **displayed** in the user interface. Preferably, pre-press workflow software in accordance with the invention dynamically...

37/3,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00908969 **Image available**
HIDING IMAGES IN HALFTONE PICTURES
MASQUAGE D'IMAGES DANS DES PHOTOGRAPHIES TRAMEES
Patent Applicant/Assignee:
S H HI START LTD, 32 Asher Barash Street, 46366 Herzeliya, IL, IL (Residence), IL (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
ROSEN Joseph, 17 Halivne Street, 84965 Omer, IL, IL (Residence), IL (Nationality), (Designated only for: US)
Legal Representative:
REINHOLD COHN AND PARTNERS (agent), P.O.Box 4060, 61040 Tel-Aviv, IL,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200243000 A2-A3 20020530 (WO 0243000)
Application: WO 2001IB2194 20011121 (PCT/WO IB0102194)
Priority Application: US 2000252600 20001122
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 9009

Fulltext Availability:
Detailed Description

Detailed Description
... the second step, the key function is utilized H(u, v) to create a binary **halftone representation** of a **first** pattern, in which the first pattern is visible and a second pattern is hidden. The **halftone** picture is such that each cell therein has **halftone** dots' positions corresponding to the gray-level distribution of the lo second pattern. By processing such a binary **halftone** representation by a two-dimensional spatial correlator based on the key function, data representative of the second hidden pattern can be extracted. The **halftone** synthesis technique of the present invention actually presents a generalization
of the Fresnel **computer** -generated hologram synthesis. In the hologram synthesis analogy, the key function H(u, v) acts as a generalized inediuni, between the **halftone** picture and the reconstructed hidden image, in a fashion similar to that in which the...

37/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00249491 **Image available**
DRIVING METHOD FOR LIQUID CRYSTAL DISPLAY
PROCEDE D'ATTAQUE POUR UNITE D'AFFICHAGE A CRISTAUX LIQUIDES
Patent Applicant/Assignee:

CITIZEN WATCH CO LTD,
AKIYAMA Takashi,
Inventor(s):
AKIYAMA Takashi,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9323785 A1 19931125
Application: WO 93JP658 19930519 (PCT/WO JP9300658)
Priority Application: JP 92150076 19920519
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: Japanese

English Abstract
...four fiducial voltage sets are arranged for a 4-bit A/D converter (1). The **dither** method in which arbitrary two of the fiducial voltage sets are switched per field to execute the A/D conversion is adopted for the **display** of a first pixel. Likewise, for an adjacent **second** pixel, the **representation** by the **dither** method is made by the use of the remaining two fiducial voltage sets. Hence, with the application of the **dither** method by the different fiducial voltage sets between the adjacent pixels, the area gradation is generated, thus making a 64-gradational **display** possible by the **dither** method and area gradation. Also, since the **dither** cycle is 1/30 second, a high quality **display** can be obtained without any flicker disturbance.
?

File 9:Business & Industry(R) Jul/1994-2004/Aug 27
(c) 2004 The Gale Group
File 15:ABI/Inform(R) 1971-2004/Aug 30
(c) 2004 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2004/Aug 30
(c) 2004 The Gale Group
File 20:Dialog Global Reporter 1997-2004/Aug 30
(c) 2004 The Dialog Corp.
File 47:Gale Group Magazine DB(TM) 1959-2004/Aug 30
(c) 2004 The Gale group
File 75:TGG Management Contents(R) 86-2004/Aug W4
(c) 2004 The Gale Group
File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Aug 30
(c) 2004 The Gale Group
File 88:Gale Group Business A.R.T.S. 1976-2004/Aug 27
(c) 2004 The Gale Group
File 98:General Sci Abs/Full-Text 1984-2004/Jul
(c) 2004 The HW Wilson Co.
File 112:UBM Industry News 1998-2004/Jan 27
(c) 2004 United Business Media
File 141:Readers Guide 1983-2004/Jul
(c) 2004 The HW Wilson Co
File 148:Gale Group Trade & Industry DB 1976-2004/Aug 30
(c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Aug 30
(c) 2004 The Gale Group
File 264:DIALOG Defense Newsletters 1989-2004/Aug 30
(c) 2004 The Dialog Corp.
File 484:Periodical Abs Plustext 1986-2004/Aug W3
(c) 2004 ProQuest
File 553:Wilson Bus. Abs. FullText 1982-2004/Jul
(c) 2004 The HW Wilson Co
File 570:Gale Group MARS(R) 1984-2004/Aug 30
(c) 2004 The Gale Group
File 608:KR/T Bus.News. 1992-2004/Aug 30
(c)2004 Knight Ridder/Tribune Bus News
File 620:EIU:Viewswire 2004/Aug 27
(c) 2004 Economist Intelligence Unit
File 613:PR Newswire 1999-2004/Aug 30
(c) 2004 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Aug 30
(c) 2004 The Gale Group
File 623:Business Week 1985-2004/Aug 27
(c) 2004 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2004/Aug 27
(c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2004/Aug 28
(c) 2004 San Jose Mercury News
File 635:Business Dateline(R) 1985-2004/Aug 28
(c) 2004 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2004/Aug 30
(c) 2004 The Gale Group
File 647:CMP Computer Fulltext 1988-2004/Aug W4
(c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Aug W3
(c) 2004 IDG Communications
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	563579	FLATSCREEN? OR LCD?? OR (LIQUID??(2N)DISPLAY??) OR PLASMA?? OR (FLAT(2N)(TV? ? OR TELEVISION?? OR MONITOR? ? OR COMPUTER? ? OR SCREEN?? OR PANEL??)) OR FLATPANEL??
S2	16940	(OLED?? OR BACKLIT??)(2N)(SCREEN?? OR DISPLAY?? OR MONITOR-?? OR COMPUTER??)
S3	20237317	TV? ? OR TELEVISION?? OR MONITOR? ? OR COMPUTER? ? OR DISP-LAY?? OR CRT?? OR SCREEN??
S4	28866	DITHER???
S5	15690	HALF()TONING OR HALFTONING OR HALF()TONE? ? OR HALFTONE? ?
S6	1751073	PATTERN????
S7	606	(REPRESENT??? OR SHOW??? OR PRESENT????? OR IMAGING?? OR D-ISPLAYING?? OR VISUALI???? OR RENDER??? OR ILLUSTRAT??? OR VI-EW???)(3N)S4
S8	739	(REPRESENT??? OR SHOW??? OR PRESENT????? OR IMAGING?? OR D-ISPLAYING?? OR VISUALI???? OR RENDER??? OR ILLUSTRAT??? OR VI-EW???)(3N)S5
S9	885440	(TRANSMIT???? OR SEND??? OR TRANSFER???)(3N)(DATA?? OR INF-ORMATION?? OR FILE?? OR SOFTWAR?? OR RECORD?? OR CODE?? OR IM-AG??)
S10	4230	(FIRST?? OR INITIAL??)(2N)(REPRESENTATION??)
S11	2035	(SECOND?? OR 2ND?? OR SUBSEQUENT??)(2N)(REPRESENTATION??)
S12	571103	S1 OR S2
S13	319	S12(S)S4
S14	12	S13(S)S7
S15	9	S13(S)S9
S16	21	S13(S)(TRANSMIT???? OR SEND??? OR TRANSFER???)
S17	12	S16 NOT (S14 OR S15)
S18	4	RD (unique items)
S19	159	S12(S)S5
S20	35	S19(S)(TRANSMIT???? OR SEND??? OR TRANSFER???)
S21	2	S12(S)S8
S22	2	RD (unique items)
S23	24	RD S20 (unique items)
S24	23	S23 NOT PY>2001
S25	23	S24 NOT (S14 OR S15 OR S18)
S26	149	S3(S)S7
S27	3763	S3(S)S4
S28	70	S27(5N)(TRANSMIT???? OR SEND??? OR TRANSFER???)
S29	39	RD (unique items)
S30	38	S29 NOT PY>2001
S31	36	S30 NOT (S25 OR S14 OR S15 OR S18)
S32	36	S31 AND S28
S33	1	S32 AND S26
S34	35	S32 NOT S33
S35	79	S3(5N)S8
S36	2	S35(5N)(TRANSMIT???? OR SEND???? OR TRANSFER???)
S37	2039	S3(5N)S5
S38	30	S37(5N)(TRANSMIT???? OR SEND??? OR TRANSFER???)
S39	16	RD (unique items)
S40	15	S39 NOT (S31 OR S25 OR S14 OR S15 OR S18)
S41	14	S40 NOT PY>2001
S42	5	S12(S)(S10 OR S11)
S43	5	RD (unique items)
S44	373	S3(S)(S10 OR S11)
S45	0	S44(5N)(S4 OR S5)
S46	7	AU=(BEN-DAVID G? OR BEN-DAVID, G?)

S47 0 S46 AND (S4 OR S5)

14/3,K/1 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03542661 SUPPLIER NUMBER: 10486486 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NEC Technologies Inc. Colormate PS. (Hardware Review) (one of five color printer evaluations in 'Color Printers Provide Quality Output') (evaluation)
Rayl, Eric
PC Week, v8, n11, p80(1)
March 18, 1991
DOCUMENT TYPE: evaluation ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 393 LINE COUNT: 00032

...ABSTRACT: The Colormate PS is one of the fastest printers evaluated, but its tendency to to **show dither** patterns is a major drawback. The documentation provided is very good and includes an excellent...

14/3,K/2 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03381450 SUPPLIER NUMBER: 08091144 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Computer Accessories/Proxima Proxima Data Display Multimode. (Hardware Review) (one of nine liquid crystal display panel evaluations in 'LCD panels: 12 for the road.') (evaluation)
Rosch, Winn L.
PC Magazine, v9, n4, p184(2)
Feb 27, 1990
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 788 LINE COUNT: 00063

... T, and Olivetti video standards.
SMARTER THAN AVERAGE
The Multimode is smarter than the average **LCD** panel. Its built-in microprocessor automatically adjusts color assignments for the most legible image. It...

...wonder on graphics--scanned photographs with 256 colors at VGA resolution were sharply and distinctly **rendered** without **dithering** in the Multimode's 16-color (yellow-to-purple) spectrum. Text on the Multimode was...

14/3,K/3 (Item 3 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03381448 SUPPLIER NUMBER: 08091124 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Apollo Audio Visual PC Presenter PC9100GS; PC Presenter PC9603. (Hardware Review) (one of nine liquid crystal display panel evaluations in 'LCD panels: 12 for the road.') (evaluation)
Rosch, Winn L.
PC Magazine, v9, n4, p180(3)
Feb 27, 1990

DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1038 LINE COUNT: 00080

...ABSTRACT: sandwich design with two fans carrying air through a central cooling channel. Users can assign **dither** patterns to **represent** different colors for a true black-and-white image. The PC9603's main advantage is...
... the external transformer are located here as well.
TRUE BLACK AND WHITE
The double supertwist **LCD** technology delivers a true black-and-white image. Although the panel cannot reproduce gray shades, you can assign up to eight **dither** patterns to **represent** various colors. The result is rarely satisfactory--continuoustone portraits often sport Noriega-like blemishes--but...

14/3,K/4 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.

02435956 SUPPLIER NUMBER: 08091144
Computer Accessories/Proxima Proxima Data Display Multimode. (Hardware Review) (one of nine liquid crystal display panel evaluations in 'LCD panels: 12 for the road.') (evaluation)
Rosch, Winn L.
PC Magazine, v9, n4, p184(2)
Feb 27, 1990
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 626 LINE COUNT: 00063

... T, and Olivetti video standards.
SMARTER THAN AVERAGE
The Multimode is smarter than the average **LCD** panel. Its built-in microprocessor automatically adjusts color assignments for the most legible image. It...

...wonder on graphics--scanned photographs with 256 colors at VGA resolution were sharply and distinctly **rendered** without **dithering** in the Multimode's 16-color (yellow-to-purple) spectrum. Text on the Multimode was...

14/3,K/5 (Item 2 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.

02435954 SUPPLIER NUMBER: 08091124
Apollo Audio Visual PC Presenter PC9100GS; PC Presenter PC9603. (Hardware Review) (one of nine liquid crystal display panel evaluations in 'LCD panels: 12 for the road.') (evaluation)
Rosch, Winn L.
PC Magazine, v9, n4, p180(3)
Feb 27, 1990
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 828 LINE COUNT: 00080

...ABSTRACT: sandwich design with two fans carrying air through a central cooling channel. Users can assign **dither** patterns to **represent** different colors for a true black-and-white image. The PC9603's main advantage is...
... the external transformer are located here as well.
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14/3,K/6 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

05116947 SUPPLIER NUMBER: 10486486 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NEC Technologies Inc. Colormate PS. (Hardware Review) (one of five color printer evaluations in 'Color Printers Provide Quality Output') (evaluation)
Rayl, Eric
PC Week, v8, n11, p80(1)
March 18, 1991
DOCUMENT TYPE: evaluation ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 393 LINE COUNT: 00032

...ABSTRACT: The Colormate PS is one of the fastest printers evaluated, but its tendency to to **show** **dither** patterns is a major drawback. The documentation provided is very good and includes an excellent...

14/3,K/7 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04505725 SUPPLIER NUMBER: 08091144 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Computer Accessories/Proxima Proxima Data Display Multimode. (Hardware Review) (one of nine liquid crystal display panel evaluations in 'LCD panels: 12 for the road.') (evaluation)
Rosch, Winn L.
PC Magazine, v9, n4, p184(2)
Feb 27, 1990
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 788 LINE COUNT: 00063

... wonder on graphics--scanned photographs with 256 colors at VGA resolution were sharply and distinctly **rendered** without **dithering** in the Multimode's 16-color (yellow-to-purple) spectrum. Text on the Multimode was...

14/3,K/8 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04505723 SUPPLIER NUMBER: 08091124 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Apollo Audio Visual PC Presenter PC9100GS; PC Presenter PC9603. (Hardware Review) (one of nine liquid crystal display panel evaluations in 'LCD panels: 12 for the road.') (evaluation)
Rosch, Winn L.
PC Magazine, v9, n4, p180(3)
Feb 27, 1990
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1038 LINE COUNT: 00080

...ABSTRACT: sandwich design with two fans carrying air through a central cooling channel. Users can assign **dither** patterns to **represent** different colors for a true black-and-white image. The PC9603's main advantage is...
... white image. Although the panel cannot reproduce gray shades, you can assign up to eight **dither** patterns to **represent** various colors. The result is rarely satisfactory--continuoustone portraits often sport Noriega-like blemishes--but...

14/3,K/9 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01423435 SUPPLIER NUMBER: 10486486 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NEC Technologies Inc. Colormate PS. (Hardware Review) (one of five color printer evaluations in 'Color Printers Provide Quality Output') (evaluation)
Rayl, Eric
PC Week, v8, n11, p80(1)
March 18, 1991
DOCUMENT TYPE: evaluation ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 393 LINE COUNT: 00032

...ABSTRACT: The Colormate PS is one of the fastest printers evaluated, but its tendency to to **show dither** patterns is a major drawback. The documentation provided is very good and includes an excellent...

14/3,K/10 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01347145 SUPPLIER NUMBER: 08091144 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Computer Accessories/Proxima Proxima Data Display Multimode. (Hardware Review) (one of nine liquid crystal display panel evaluations in 'LCD panels: 12 for the road.') (evaluation)
Rosch, Winn L.
PC Magazine, v9, n4, p184(2)
Feb 27, 1990
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 788 LINE COUNT: 00063

... T, and Olivetti video standards.

SMARTER THAN AVERAGE

The Multimode is smarter than the average **LCD** panel. Its built-in microprocessor automatically adjusts color assignments for the most legible image. It...

...wonder on graphics--scanned photographs with 256 colors at VGA resolution were sharply and distinctly **rendered** without **dithering** in the Multimode's 16-color (yellow-to-purple) spectrum. Text on the Multimode was...

14/3,K/11 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01347143 SUPPLIER NUMBER: 08091124 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Apollo Audio Visual PC Presenter PC9100GS; PC Presenter PC9603. (Hardware Review) (one of nine liquid crystal display panel evaluations in 'LCD panels: 12 for the road.') (evaluation)
Rosch, Winn L.
PC Magazine, v9, n4, p180(3)
Feb 27, 1990
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1038 LINE COUNT: 00080

...ABSTRACT: sandwich design with two fans carrying air through a central cooling channel. Users can assign **dither** patterns to **represent** different colors for a true black-and-white image. The PC9603's main advantage is...
... the external transformer are located here as well.

TRUE BLACK AND WHITE

The double supertwist **LCD** technology delivers a true black-and-white image. Although the panel cannot reproduce gray shades, you can assign up to eight **dither** patterns to **represent** various colors. The result is rarely satisfactory--continuoustone portraits often sport Noriega-like blemishes--but...

14/3,K/12 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

00630920 CMP ACCESSION NUMBER: EET19890130S3706
The oscilloscope as PC peripheral
RICHARD DOHERTY
ELECTRONIC ENGINEERING TIMES, 1989, n 523, 118
PUBLICATION DATE: 890130
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: 523PG118
WORD COUNT: 368

... refer to an instruction manual. On-screen waveform displays have more apparent resolution than the **LCD** grid array's physical screen limits, due to the screen's ability to **show** **dithered** levels. Twenty-one sweep speeds cover from 20 seconds/division to 5 microseconds/division. Eleven...

15/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04092918 Supplier Number: 45964373 (USE FORMAT 7 FOR FULLTEXT)
PHILIPS HAS R3000 RISC-BASED ONE CHIP PDA AT $20
Computergram International, n2802, pN/A
Nov 28, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 400

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...part is a single-chip highly-integrated implementation using the R3000 core, designed specifically for **liquid** crystal **display** handheld devices, either with a touch-screen or a keyboard. Philips sees it going into...

...electronic books and data collection devices. Modules currently on the One Chip PDA include the **LCD** and Video Modules with bit-mapped graphics; support for multiple screen sizes, a main memory-resident video buffer with direct memory access **data transfers** ; monochrome four- or eight-level gray, or 8-bit colour modes; time-based **dithering** algorithm; and support for 4-bit or 8-bit split and non-split screens. There...

15/3,K/2 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04089652 Supplier Number: 45959171 (USE FORMAT 7 FOR FULLTEXT)
Philips Semiconductors Introduces One Chip PDA, A Single Chip Embedded Processor For LCD Handheld Devices; One Chip PDA Provides Superior Integration in a Modular Solution for PDA Applications.
Business Wire, p11270040
Nov 27, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 736

... to next-generation Philips Semiconductors embedded processors.
Modules currently on the One Chip PDA include:
LCD and Video Modules - Features bit-mapped graphics; support for multiples screen sizes, a main-memory resident video buffer with DMA **data transfers** ; monochrome 4- or 8-level gray, or 8-bit color modes; time-based **dithering** algorithm; and support for 4-bit or 8-bit split and non-split screens.
Touch...

15/3,K/3 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

08303286 SUPPLIER NUMBER: 17788450 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Philips Semiconductors Introduces One Chip PDA, A Single Chip Embedded

Processor For LCD Handheld Devices; One Chip PDA Provides Superior Integration in a Modular Solution for PDA Applications.
Business Wire, p11270040
Nov 27, 1995
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 706 LINE COUNT: 00072

... mapped graphics; support for multiples screen sizes, a main-memory resident video buffer with DMA **data transfers** ; monochrome 4- or 8-level gray, or 8-bit color modes; time-based **dithering** algorithm; and support for 4-bit or 8-bit split and non-split screens.
Touch...

15/3,K/4 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08287642 SUPPLIER NUMBER: 17730720 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PHILIPS HAS R3000 RISC-BASED ONE CHIP PDA AT $20.
Computergram International, pCGN11280001
Nov 28, 1995
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 445 LINE COUNT: 00039

TEXT:
...support for multiple screen sizes, a main memory-resident video buffer with direct memory access **data transfers** ; monochrome four- or eight-level gray, or 8-bit colour modes; time-based **dithering** algorithm; and support for 4-bit or 8-bit split and non-split screens. There...

15/3,K/5 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01867189 SUPPLIER NUMBER: 17730720 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PHILIPS HAS R3000 RISC-BASED ONE CHIP PDA AT $20.
Computergram International, pCGN11280001
Nov 28, 1995
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 445 LINE COUNT: 00039

TEXT:
...part is a single-chip highly-integrated implementation using the R3000 core, designed specifically for **liquid** crystal **display** handheld devices, either with a touch-screen or a keyboard. Philips sees it going into...

...electronic books and data collection devices. Modules currently on the One Chip PDA include the **LCD** and Video Modules with bit-mapped graphics; support for multiple screen sizes, a main memory-resident video buffer with direct memory access **data transfers** ; monochrome four- or eight-level gray, or 8-bit colour modes; time-based **dithering** algorithm; and support for 4-bit or 8-bit split and non-split screens. There...

15/3,K/6 (Item 1 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01323645 Supplier Number: 45959171 (USE FORMAT 7 FOR FULLTEXT)
Philips Semiconductors Introduces One Chip PDA, A Single Chip Embedded Processor For LCD Handheld Devices; One Chip PDA Provides Superior Integration in a Modular Solution for PDA Applications.
Business Wire, p11270040
Nov 27, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 736

... to next-generation Philips Semiconductors embedded processors. Modules currently on the One Chip PDA include:

LCD and Video Modules - Features bit-mapped graphics; support for multiples screen sizes, a main-memory resident video buffer with DMA **data transfers** ; monochrome 4- or 8-level gray, or 8-bit color modes; time-based **dithering** algorithm; and support for 4-bit or 8-bit split and non-split screens.

Touch...

15/3,K/7 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)

0652618 96-09353
Philips Semiconductors introduces one chip PDA
Brown, Peter
Business Wire (San Francisco, CA, US) s1 p1
PUBL DATE: 951127
WORD COUNT: 698
DATELINE: Sunnyvale, CA, US, Pacific

TEXT:

...to next-generation Philips Semiconductors embedded processors. Modules currently on the One Chip PDA include:

LCD and Video Modules - Features bit-mapped graphics; support for multiples screen sizes, a main-memory resident video buffer with DMA **data transfers** ; monochrome 4- or 8-level gray, or 8-bit color modes; time-based **dithering** algorithm; and support for 4-bit or 8-bit split and non-split screens.

Touch...

15/3,K/8 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

02942628 Supplier Number: 45986295 (USE FORMAT 7 FOR FULLTEXT)
CHIPS: PHILIPS SEMICONDUCTORS INTRODUCES ONE CHIP PDA, A SINGLE CHIP EMBEDDED PROCESSOR FOR LCD HANDHELD DEVICES; ONE CHIP PDA PROVIDES SUPERIOR INTEGRATION IN A MODULAR SOLUTION FOR PDA APPLICATIONS
EDGE: Work-Group Computing Report, pN/A

Dec 4, 1995
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 685

... to next-generation Philips Semiconductors embedded processors. Modules currently on the One Chip PDA include:

LCD and Video Modules - Features bit-mapped graphics; support for multiples screen sizes, a main-memory resident video buffer with DMA **data transfers** ; monochrome 4- or 8-level gray, or 8-bit color modes; time-based **dithering** algorithm; and support for 4-bit or 8-bit split and non-split screens.

Touch...

15/3,K/9 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

02931703 Supplier Number: 45964373 (USE FORMAT 7 FOR FULLTEXT)
PHILIPS HAS R3000 RISC-BASED ONE CHIP PDA AT $20
Computergram International, n2802, pN/A
Nov 28, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 400

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...part is a single-chip highly-integrated implementation using the R3000 core, designed specifically for **liquid** crystal **display** handheld devices, either with a touch-screen or a keyboard. Philips sees it going into...

...electronic books and data collection devices. Modules currently on the One Chip PDA include the **LCD** and Video Modules with bit-mapped graphics; support for multiple screen sizes, a main memory-resident video buffer with direct memory access **data transfers** ; monochrome four- or eight-level gray, or 8-bit colour modes; time-based **dithering** algorithm; and support for 4-bit or 8-bit split and non-split screens. There...

18/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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07691703 Supplier Number: 63677800 (USE FORMAT 7 FOR FULLTEXT)
Two-Chip Set Safeguards Digital Video Content.(Product Announcement)
Grossman, Steve
Electronic Design, v48, n12, p68
June 12, 2000
Language: English Record Type: Fulltext Abstract
Article Type: Product Announcement
Document Type: Magazine/Journal; Trade
Word Count: 2234

... data and clock signals that are ultimately fed to the LCD panel.
The sil 861 **LCD** monitor controller provides flexible and efficient power management, full-featured image processing and scaling, **dithering** , gamma tuning, and on-screen display. Functions such as key downloading, authentication, frame, and session key calculation are automatic and transparent to the user. Like the **transmitter** , the **LCD** monitor's input exhibits an interpair skew tolerance of up to one input clock cycle--6 ns at 165 MHz. The Sil 861 HDCP **LCD** monitor controller is designed for 3.3-V core operation. A power-down mode is...

18/3,K/2 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05922549 Supplier Number: 53157855 (USE FORMAT 7 FOR FULLTEXT)
Liquid Crystal Displays.(Technology Information)
Randall, Neil
PC Magazine, p299(1)
Dec 1, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; General Trade
Word Count: 1647

... an image.
To create color images, color filters are applied on top of the individual **LCD** cells. The filters typically are arranged in vertical stripes of red, green, and blue, though other patterns are also used. To create a white pixel, three adjacent **LCD** cells are set to **transmit** light. Shades of colors can be created in different ways, including lowering the voltage applied to the **LCD** cell to reduce the amount of light **transmitted** , turning the cell on and off rapidly, and employing spatial **dithering** --using adjacent pixels to provide varying amounts of red, green, and blue.
Passive vs. Active...

18/3,K/3 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03554143 SUPPLIER NUMBER: 10804692 (USE FORMAT 7 OR 9 FOR FULL TEXT)
25K TFT color panel added as option for Dolch luggables. (thin-film transistor)

Cordova, Cristina; Zelnick, Nate
PC Magazine, v10, n12, p62(1)
June 25, 1991
ISSN: 0888-8507 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 173 LINE COUNT: 00014

TEXT:
IMPROVED Dolch Computer Systems is now offering Sharp Electronics' second-generation color TFT (thin-film **transfer**) **LCDs** as display options for their line of high-performance portable workstations. The 640-by-resolution...

...screens are driven by a new video chip set from Chips and Technologies, the 82C457 **flat - panel** controller, in conjunction with Dolch's own color-generation pulse-width modulation and **dithering** algorithm, which allows simultaneous display of 256-color images from a palette of 24,389...

18/3,K/4 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.

06634681 SUPPLIER NUMBER: 111013830
The future's bright ...
Petrou, Maria
Chemistry and Industry, 21, 26(1)
Nov 3, 2003
ISSN: 0009-3068 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 668 LINE COUNT: 00056

... the city--and many like it--look at night by revolutionising the way images are **displayed** .
Liquid crystals are liquids which, under certain conditions, display certain properties of crystals. Crystals are highly...

...is applied to them. This allows them to scatter light in all directions, or to **transmit** light in a selected direction, switching between the two states in a matter of milliseconds...

...resolve changes with such frequencies, it is obvious that one can use spatial and temporal **dithering** and colour filters to create huge colour displays.
The power of liquid crystals does not...

22/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01934435 Supplier Number: 42468159
LCDs Show CRT-Quality Color in Notebook PCs
Dempa Digest, p1
Oct 28, 1991
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...comparable to CRT models. This is made possible through the use of thin-film-transistor **liquid** crystal **displays** (TFT **LCDs**). The 98 Note Color generates vivid **halftoned** images, **showing** 16 out 4,096 colors.
...

22/3,K/2 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

03118799 SUPPLIER NUMBER: 04634409 (USE FORMAT 7 OR 9 FOR FULL TEXT)
French mills report in-house equipment innovations improve print operations. (Textile Technology supplement)
DiMaria, Eugene
Daily News Record, v17, pT4(2)
Feb 2, 1987
ISSN: 0162-2161 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1275 LINE COUNT: 00098

... to also render half-tones with an extreme fineness and regularity on both rotary and **flat screens** .
Roger Lecomte, chairman of Imprilux, said for five years he has run the only microcomputer...

25/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00766072 94-15464
Equipment
Barth, Claire
Management Accounting v75n2 PP: 66 Aug 1993
ISSN: 0025-1690 JRNL CODE: NAA
WORD COUNT: 332

...TEXT: Electronics Corporation has unveiled the FO-5400, the first plain-paper fax machine able to **send** two-sided original documents. It scans an original twice, once on each side, and then...

... FO-5400 contains a front-mounted control panel 1 and a 20-digit, two-line **liquid** crystal **display** . It features a 51-page memory with a memory upgrade option, a 40-number rapid dial, relay broadcasting, and a batch **transmit** function. It can make up to 99 copies with one pass of the original. The...

...received faxes. It incorporates a variety of reproduction controls, such as auto-contrast, 64-level **halftone** control, error correction mode, and smoothing, to ensure that information is received without distortions. Hewlett...

25/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00756268 94-05660
Mitsubishi F15 Acces cellular fax machine
Howat, Faris
Cellular Business v10n9 PP: 66-68 Sep 1993
ISSN: 0741-6520 JRNL CODE: CLB
WORD COUNT: 1862

...ABSTRACT: s F15 Acces cellular fax machine has an easy-to-read 16-character, 2-line **LCD** readout, 50 name and number speed-dial memories, alphabetic memory search, and built-in speaker...

... Mitsubishi's earlier F10 model in that it features an error correction mode, 12-second **transmit** time, automatic fax-phone switch, automatic reception using RJ-11 or acoustic coupler, **halftones** (16-shade scale), and edge enhancement. Standard transmission speed is up to 9,600b/s...

25/3,K/3 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03495079 Supplier Number: 44888600 (USE FORMAT 7 FOR FULLTEXT)
Sanyo Adds 2 Models to Fax Line
HFD-The Weekly Home Furnishings Newspaper, v0, n0, p77
August 1, 1994
Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade
Word Count: 274

... jet fax, the SFX-P50 ($1,395 suggested retail price), features simultaneous memory scanning while **sending** or receiving documents; 50 -location broadcasting, 64-shade **half - tone** production; a 10-sheet automatic document feeder; and a 2-line, 32-digit **LCD** display.
The advanced features are packed into the 13- by 8-inch unit, which should...

25/3,K/4 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02619470 Supplier Number: 43482511 (USE FORMAT 7 FOR FULLTEXT)
Sharp's First Home Fax, Organizer Array Due
HFD-The Weekly Home Furnishings Newspaper, v0, n0, p78
Nov 30, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 917

... 202, comes with a 10-sheet automatic document feeder, automatic fax/phone changeover, 16-level **halftone** control and 50-number automatic dialing, delayed **send** and automatic redial functions, and easy-to-read 16-digit **LCD** . Other features include extension phone **transfer** , copy function, two-way recording, speaker key, phone-number lists, hold key, toll-saver function...

25/3,K/5 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02208560 Supplier Number: 42877072
G3 Fax Holds 256KB in Memory
Office Equipment & Products, p25
April, 1992
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...the Speax5 EX personal facsimile that features a rapid sequential broadcast capability to facilitate the **sending** of an A4 page in 10 s. The unit's 256-Kbyte memory facilitates 10...

...well as memory reception for seven A4 pages. The facsimile also features selective reception, a **backlit display** , B4 document transmission/reception, and **halftone** reproduction.
...

25/3,K/6 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

01946054 Supplier Number: 42485411 (USE FORMAT 7 FOR FULLTEXT)

SHARP GOES MULTIFUNCTIONAL
Marketing Computers, v0, n0, p39
Nov, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 143

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...scanner attachment. Designed for use in home offices and small businesses, the Group III unit **transmits** and receives standard A5- or oversize B4-size originals, and features a 30-meter (about...

...function, the UX-5 can interface with an optional hand scanner to make copies or **send** faxes of originals. The UX-5 features a built-in, 16-character by 1-line **LCD** located on the telephone. The machine also offers automatic switching between telephone and facsimile reception...

...utilize a single telephone line for both voice and fax reception. The UX-5 can **send** a standard original document at 15 seconds per page, and the unit is equipped with a **halftone** mode (16-level gray scale). U.S. pricing was not announced.

25/3,K/7 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01735269 Supplier Number: 42169631 (USE FORMAT 7 FOR FULLTEXT)
Quasar Boosts Fax Line with 3 New Models
HFD-The Weekly Home Furnishings Newspaper, v0, n0, p80
June 24, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 170

... a suggested retail price of $740.
The PAX 400H adds the following features: 16-digit **LCD** , automatic receive timer, privacy ring for the answering machine, automatic paper cutter, 16-level **halftones** , polling **sending** and receiving with a password, network communication and three level resolution. It has a suggested...

25/3,K/8 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01192863 Supplier Number: 41368517
PHONEMATE DIVERSIFIES LINE WITH INTRODUCTION OF DESKTOP FACSIMILES
News Release, p1
June 2, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...machine. A time-saving feature offered on both models is the automatic document feeder, which **transmits** up to seven pages unattended - -

allowing users to return to their work rather than oversee the process. PhoneMate's high-speed transmission, available on both models, **sends** a standard page of text in approximately 20 seconds without sacrificing quality. Brochures, photographs and technical drawings can be sent and received in either HT (**halftone** - - 16 levels of grayscale) or FINE resolution modes. The FAX 600 has an integrated feature...

...includes 50-station autodial memory for frequently-used fax and phone numbers. The model's **liquid** crystal **display** (**LCD**) screen features easy-to-read instructions for machine set-up. and displays the telephone number...
...transmission feature can help reduce phone bills by allowing users to program the machine to **transmit** when phone rates are lowest. The FAX 600 also has an auto redial function that redials a busy fax number up to 15 times, then automatically **transmits** the fax when the line is clear. Another useful feature is no-wait transmission, which eliminates the need to wait to **send** a fax. If the unit is engaged in receiving a document, users can place the...

25/3,K/9 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

08296630 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Sharp introduces new fax machines
Fauziah Muhtar
NEW STRAITS TIMES (MALAYSIA)
November 18, 1999
JOURNAL CODE: FNST LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 458

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... with approximately 15-second transfer speed, 16-digit liquid crystal display (LCD), 64 levels of **half - tone** and built-in ID caller.
Sharp-Roxy Malaysia's marketing executive for information system product...

25/3,K/10 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

05221069 SUPPLIER NUMBER: 21074339 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Choosing a more productive, economical fax machine.(Buyers Guide)
Library Technology Reports, v34, n2, p235(20)
March-April, 1998
DOCUMENT TYPE: Buyers Guide ISSN: 0024-2586 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 8889 LINE COUNT: 00721

... each fax machine must be programmed for specifications like the time and date, autodial numbers, **halftone** settings, etc. The fax machine should be easy to program and, preferably, tasks like entering...

...determined by many factors, including the setup of the control panel and the effectiveness of **LCD** readings, machine markings and the

documentation. Factors that can enhance ease of use include clearly...that, when pressed, indicates whether the unit is dialing, for example, or if it is **transmitting** .

Management reports are another important feature. A fax machine should provide the ability to print...

25/3,K/11 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
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04248545 SUPPLIER NUMBER: 16898001 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Canon Faxphone B-170.(one of 12 evaluations of 15 multifunction printers in "Swiss Army Printers") (Hardware Review)(Evaluation)
Stone, M. David
PC Magazine, v14, n11, p184(2)
June 13, 1995
DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 604 LINE COUNT: 00065

... Faxphone offers a full set of features, including the usual front-panel controls for dialing, **sending** , and copying, and an **LCD** -based menu for changing settings. It stores up to 66 speed-dial numbers, and if...

...up to 30 letter-size pages in memory. Both copier and fax machine offer a **halftone** mode for photos, as well as settings for blueprints and other special kinds of documents. But the feature is clumsy to use, since you have to toggle through the **LCD** -based menus to change the settings. Whether you use the built-in answering machine or...

25/3,K/12 (Item 3 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03795418 SUPPLIER NUMBER: 12734977 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Fax me to the moon: what's hot in fax technology - plus: ten top units reviewed. (facsimile machines) (Buyers Guide)
Roth, Cliff
Home Office Computing, v10, n10, p66(7)
Oct, 1992
DOCUMENT TYPE: Buyers Guide ISSN: 0899-7373 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4401 LINE COUNT: 00329

... receiving end. Resolution is limited to the 200-dpi Fine setting, and a 32-step **halftone** conversion is invoked when you select the photo mode. The paper does not curl as...

...and broadcasting. The control panel is large and uncluttered, and there's a two-line **LCD** screen that can display fairly detailed messages. Entering ID codes and programming other advanced features...

...unit has automatic fax/voice capability--it answers all calls, listens for fax tones, and **sends** out false-ring signals if the call is not a fax. But there's no...

25/3,K/13 (Item 4 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03228207 SUPPLIER NUMBER: 07418781 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Compensation & expenses. (1989 Survey of Selling Costs) (illustration)
Sales & Marketing Management, v141, n3, p15(27)
Feb 20, 1989
CODEN: SMMAD DOCUMENT TYPE: illustration ISSN: 0163-7517
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 8517 LINE COUNT: 01195

... feeder and auto receiving, and other features.
100 telephone number capacity, 16 x 2-char. **LCD** , 20-second $1,895 transmission speed, 16-shade **halftone** mode and **halftone** plus, superfine resolution, relay broadcasting command, international **transmit** mode, automatic reduction mode, transmisson verification, 5-page auto document feeder, and other features.
Same...

...request, auto paper cutter, and other features.
100 telphone number capacity, 24 x 2-char. **LCD** , 10-second $4,195 transmission speed, 81-page memory, 16-shade **halftone** mode and **halftone** plus, super-fine resolution, relay broadcasting command (to 10,000 locations), international **transmit** mode, automatic reduction mode, 30-page auto document feeder and auto receiving, auto paper cutter...

25/3,K/14 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06174017 SUPPLIER NUMBER: 12973697 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sharp's first home fax, organizer array due.
Veilleux, C. Thomas
HFD-The Weekly Home Furnishings Newspaper, v66, n48, p78(2)
Nov 30, 1992
ISSN: 0746-7885 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1028 LINE COUNT: 00077

... 202, comes with a 10-sheet automatic document feeder, automatic fax/ phone changeover, 16-level **halftone** control and 50-number automatic dialing, delayed **send** and automatic redial functions, and easy-to-read 16-digit **LCD** . Other features include extension phone **transfer** , copy function, two-way recording, speaker key, phone-number lists, hold key, toll-saver function...

25/3,K/15 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

05738726 SUPPLIER NUMBER: 12352369
Technology. (Column)
Wilke, John R.
Wall Street Journal , Tue ed, col 1, pB1(W) pB1(E)

June 9, 1992
DOCUMENT TYPE: Column ISSN: 0193-2241 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

ABSTRACT: A new procedure for developing liquid crystal displays (**LCD**) for portable computers eliminates the need to use glass in the screens, instead developing the...

...plastic sheets. This will create competition for the Japanese, who have nearly monopolized the entire **LCD** market. Scientists at the Massachusetts Institute of Technology's Media Lab are capable of creating...

...holograms. A University of Rochester researcher has developed an algorithm for increasing facsimile speed of **halftone** photo images. Nocopi International has developed invisible fax paper for security purposes. The paper must...
...British Telecommunications Plc have developed a process that provides instant transmission of academic transcripts for **transfer** or graduate students.

25/3,K/16 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

03853326 SUPPLIER NUMBER: 06996100 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Fax suppliers see higher sales in '89.
McConville, James A.
HFD-The Weekly Home Furnishings Newspaper, v63, n4, p135(2)
Jan 23, 1989
ISSN: 0746-7885 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 981 LINE COUNT: 00077

... fax and 30 telephone numbers for automatic speed dial.
Unit features include a two-line **LCD** , hold button, and pause and on-hook dialing capability. Users can feed up to 10...

...an automatic document feeder. The fax unit also offers a 16 level grey scale for **sending** clear **halftones** and photographs.
Fax features also include a voice confirmation request function which allows sender and...

25/3,K/17 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

03526068 SUPPLIER NUMBER: 06452388 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Office tie-ins enhance growth prospects. (Homeworking Special Supplement)
McDonald, Martha
Consumer Electronics, v16, n6, p90(4)
June, 1988
ISSN: 0362-4722 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2457 LINE COUNT: 00185

... screen and a timer for sending as well as a digital call counter and 16 **half tones** . Suggested list is $1,395; the unit is both G3 and G2 compatible.
Panasonic's...

25/3,K/18 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

02045391
RADIO SHACK UNVEILS NEW PRODUCTS FOR OFFICE
News Release July 27, 1988 p. 1

...home accessories, the TandyFax (R) 1000 compact facsimile machine is the money-saving way to **send** documents anywhere in the world instantly. This 13-pound fax is ideal for small business...

... business. The TandyFax connects easily to an existing rotary or tone telephone line and will **send** or receive letters, spreadsheets, even line art and photographs. Its SuperFine, Fine, Standard and **Halftone** Resolution Modes ensure that even the smallest text and faintest photographs are reproduced with clarity...

... can also serve as a copy machine for quick copies. The TandyFax comes complete with **LCD** display; a built-in 24-hour programmable timer that will **transmit** data after hours when long- distance rates are lowest; 70-station auto-dialer; built-in memory backup; automatic document feeder; and turnaround polling which lets you **send** and receive documents during the same call, minimizing long distance charges.
Full text available on...

25/3,K/19 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

01815099
ADVANCED FEATURES HIGHLIGHT COMPACT FAX UNITS
News Release August 24, 1987 p. 1

... inch, providing excellent readability. The machine discerns eight levels of document shading, enabling users to **transmit** photos and **half - tones** , and print contrast can automatically be adjusted. It requires only one telephone line and can automatically switch from **send** to receive mode. The FO-210 provides automatic dialing for up to 87 numbers. Twelve ...

...information, as well as flashing error messages, the machine is equipped with a 2-line **LCD** . The machine will notify the receiving party of requests for verbal transmission confirmation. Offering the same ultra-compact size and superb image quality, but without such features as an **LCD** display and autodialer, the FO-150 is a lower-cost alternative to the features-rich...

... communicating with Group 2 and 6-minute North American F.M. facsimiles. The FO-210 **transmits** a standard 8.5 by 11 inch page in 18 seconds, while the FO-150...

25/3,K/20 (Item 3 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

01794979
SHARP ELECTRONICS TO FEATURE TWO NEW MID-RANGE FACSIMILE UNITS AT NATA'87-UNICOM 1
News Release August 12, 1987 p. 1

... speed 12-second-per-page transmission, automatic error correction, and a "super fine" mode for **sending** documents with extra fine resolution, will be featured by Sharp Electronics Corporation at NATA'87...

... features found on its higher-end companion. Major features of two facsimile units include: 16 **half - tone** shades, ensuring high-quality reproduction of "grey scale" originals; cost-saving automatic contrast control, which...

...phone numbers. The FO-640 can store up to 12 numbers; 16-digit, two-line **liquid** crystal **display** , identifying terminal locations and flash error messages; and timer transmission and polling, multipolling, and a...

25/3,K/21 (Item 4 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

01626102
TOP-OF-THE-LINE SHARP FACSIMILE UNIT OFFERS MEMORY 12 SECOND TRANSMISSION.
NEWS RELEASE April 27, 1987 p. 11

... standard memory, businesses can store up to 40 pages of a letter-size document and **send** them automatically to as many as 100 remote fax stations. And if a document is...

... the master moves on to the next remote station. The unit features 16 shades of **half - tone** reproduction, permitting transmissions of such "gray scale" documents as photographs, illustrations and graphics. An automatic contrast control will detect the contrast of the original and **send** at the best contrast mode. And the FO-3200's super-fine mode, with vertical...

...for two-digit speed dialing; a large easy-to-read 20-digit by 2-line **liquid** crystal **display** ; and automatic error correction among Sharp FO-3200, FO-3100 and FO-640 models. ...

25/3,K/22 (Item 5 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

01563027
ULTRA-COMPACT FACSIMILE OFFERS OPERATING EAsE, ADVANCED FEATURES.
NEWS RELEASE January 20, 1987 p. 11

... transceiver has been introduced by Sharp Electronics Corporation.highlights include automatic contrast control, two-line **liquid** crystal **display** , activity reports and "Fine Mode" high-resolution transmission. Additional functions include both polling and turnaround polling, **half - tone** reproduction, CCITT Group 3, Group 2 and 6 minute

North American FM compatibility and 25...

...11.6 (W) x 3.2 (H) x 9.8-inches (D). A multi-purpose **LCD** panel offers operating procedure confirmation, remote terminal identification, error messages and resolution contrast. The FO-200 can **send** or receive documents from 8-1/2 x 11-inch letter size to sheets 39...

25/3,K/23 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext

01175378 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Lanier FaxWriter 2500
Roth, Cliff
Home-Office Computing (GFHC), v10 n10, p71, 68+, p.1
Oct 1992
ISSN: 0899-7373 JOURNAL CODE: GFHC
DOCUMENT TYPE: Product Review-Mixed
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 195 LENGTH: Short (1-9 col inches)

TEXT:
... receiving end. Resolution is limited to the 200-dpi Fine setting, and a 32-step **halftone** conversion is invoked when you select the photo mode. The paper does not curl as...

...and broadcasting. The control panel is large and uncluttered, and there's a two-line **LCD** screen that can display fairly detailed messages. Entering ID codes and programming other advanced features...

...unit has automatic fax/voice capability--it answers all calls, listens for fax tones, and **sends** out false-ring signals if the call is not a fax. But there's no...

33/3,K/1 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03457045 SUPPLIER NUMBER: 08685776 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New SuperPrint spruces up Windows 3.0 screen fonts. (Software Review) (Zenographics Inc. SuperPrint font and printer utility for Microsoft Windows 3.0) (evaluation)
Dean, David
PC Week, v7, n30, p10(1)
July 30, 1990
DOCUMENT TYPE: evaluation ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 562 LINE COUNT: 00045

...ABSTRACT: and printer utility for Microsoft Windows 3.0 gives users a wider variety of WYSIWYG **screen** fonts than Microsoft supplies and speeds graphics printing on HP printers. The program includes SoftRip, a rasterizing module that replaces the Windows GDI **imaging** module and improves **dithering** . It **sends** all output to the printer in graphics form, effectively using the printer as a 'dumb...

34/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

1060903 Supplier Number: 01060903 (USE FORMAT 7 OR 9 FOR FULLTEXT)
DATAPATH GRAPHICS BOARDS SAVE ON PROCESSOR POWER
(Datapath's new Tornado Peripheral Component Interconnect graphics board is intended for high-end and multimedia users)
Computergram International, n 2519, p N/A
October 11, 1994
DOCUMENT TYPE: Newsletter ISSN: 0268-716X (United Kingdom)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 197

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...It uses a Weitek Corp P9100 graphics processor and Weitek P9130 video power accelerator, which **transfers** the image to the **screen** with real-time scaling, dithering line and pixel averaging, obviating the need for the host...

...stored source, such as the CD-ROM, and instead of being decompressed by the personal **computer** 's processor, the processor just **sends** it straight to the Eye board, which decompresses it and **sends** it on for **display** on the monitor. It is due for release later on this quarter.
...

34/3,K/2 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00859582 95-08974
Goofing off boosts productivity?
Filipczak, Bob; Gordon, Jack; Hequet, Marc; Picard, Michele
Training v31n5 PP: 126-128 May 1994
ISSN: 0095-5892 JRNL CODE: TBI
WORD COUNT: 308

...TEXT: fantasy player popped in to talk sports--and said he happened to know that the **TV** network in question **sends** cars for interview subjects. Case solved, thanks to the fantasy league--sort of.

Ardanowsky, however...

34/3,K/3 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00675535 93-24756
XGA chip speeds Hercules graphics boards
Corcoran, Cate
InfoWorld v15n9 PP: 22 Mar 1, 1993
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 280

...ABSTRACT: based on Integrated Information Technologies Inc.'s XGA chip, which offers 4-operand bit-block **transfer** , **dithering** , and shading.

34/3,K/4 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00316548 86-16962
Displays: Extends Color Range of Thermal Transfer **Devices**
Thomas, Robert
Digital Design v16n4 PP: 38-42 Mar 25, 1986
ISSN: 0147-9245 JRNL CODE: DDS

Displays: Dithering **Extends Color Range of Thermal** Transfer **Devices**

34/3,K/5 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

16600447 (USE FORMAT 7 OR 9 FOR FULLTEXT)
SONY: Sony`s new VAIO is an ultra portable desktop replacement
M2 PRESSWIRE
May 10, 2001
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 969

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and still capture), PictureToy (digital image manipulation), MovieShaker (personal movie editing), Smart Connect and SmartConnect **Monitor** (i.LINK data **transfer**), PowerPanel (Power Management profile), SonyNotebook Setup (notebook configuration), Jog Dial Utility (Jog Dial configuration), Visual...

34/3,K/6 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

10015073 (USE FORMAT 7 OR 9 FOR FULLTEXT)
To be frank, I wish I had kept my beard
INDEPENDENT
March 13, 2000
JOURNAL CODE: FIND LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 635

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... dithered the mischievous Buerk affected not to notice the shock waves his dark growth was **sending** around **Television** Centre. Then, an hour before he was due on air, he disappeared into a washroom...

34/3,K/7 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

09931374 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Ecclestone moves into higher gear; Motor racing; Interview; Bernie Ecclestone
KEVIN EASON
TIMES
March 06, 2000
JOURNAL CODE: FTMS LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1333

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Three jumbo jet-loads of equipment set up in 36 hours at each grand prix **transmit** pictures to hundreds of **television** stations and a worldwide audience of more than 500 million people each fortnight.
Formula One...

34/3,K/8 (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

07787953 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Regime cautioned against 'interim period'
Amit Baruah
HINDU
October 17, 1999
JOURNAL CODE: FHIN LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 852

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... full with other things but even so it should not have been too difficult to **send** someone on **television** to reassure a very confused nation about what was happening," he wrote.
"Constitutional propriety is...

34/3,K/9 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

05554160 SUPPLIER NUMBER: 59086101 (USE FORMAT 7 OR 9 FOR FULL TEXT)
BACK IN THE U.S.S.R.?(Belarus considers a reunion with Russia)
Tayler, Jeffrey
Harper's Magazine, 300, 1797, 62
Feb, 2000
ISSN: 0017-789X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 8283 LINE COUNT: 00628

... the past, the grandeur of the myths, re-gained the ascendancy.
On ORT, a Russian **television** channel also **transmitted** in Belarus, President Lukashenko is giving an interview. His habit of combing his thinning brown...

34/3,K/10 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

04271320 SUPPLIER NUMBER: 17087270 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Lexmark Medley adds color to your office. (Medley 4X multifunction printer)(First Looks) (Hardware Review)(Evaluation)
Poor, Alfred
PC Magazine, v14, n13, p50(1)
July, 1995
DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 961 LINE COUNT: 00073

... dpi resolution), and the unit can create gray-scale images (the competition generally works with **dithered** 1-bit images). The system **sends** scanned data to your PC's bidirectional parallel port, so there is only one cable that connects the Medley peripheral to your **computer** .
The **send** /receive fax modem can operate at up to 14.4 kilobits per second, and there...

34/3,K/11 (Item 3 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03561997 SUPPLIER NUMBER: 11323813
Color printing. (new printing technologies) (State of the Art)(includes related article on color dot-matrix printing)
Alford, Roger C.
Byte, v16, n10, p149(7)
Oct, 1991
ISSN: 0360-5280 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: the color image on a monitor or to show industry-standard 'true colors' regardless of **monitor** appearance. Ink-jet and thermal-**transfer** are the two key technologies used in low-cost color printers today.

34/3,K/12 (Item 4 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

02596548 SUPPLIER NUMBER: 00599078 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A Glossary of Terms for PC Graphics.
PC Week, v1, n47, pS34-35
Nov. 27, 1984
DOCUMENT TYPE: glossary ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5149 LINE COUNT: 00395

... cases, this is done by manually tracing out the image on a digitizer pad, which **transmits** position information to the **computer** . digitizer--a **computer** peripheral device that **sends** position information to the **computer** , either on command from the user (point digitizing) or at regular intervals (continuous digitizing). Digitizers...

34/3,K/13 (Item 5 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

02378399 SUPPLIER NUMBER: 00524058
Build the Micro D-Cam Solid-State Video Camera Part 2: Computer Interfaces and Control Software.
Ciarcia, S.
Byte, v8, n10, p67-68
Oct., 1983
ISSN: 0360-5280 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: PC or an Apple II Plus. The optic RAM senses images and stores them for **transfer** to the **computer** . Commands to this Micro D-Cam system control exposure and data transmission. Schematics are shown...

34/3,K/14 (Item 6 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

02378330 SUPPLIER NUMBER: 02784337 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The 8th West Coast Computer Faire, San Francisco, March 18-20, 1983; perceptions and reflections.
Ahl, David H.
Creative Computing, v9, p180(5)
June, 1983
ISSN: 0097-8140 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2502 LINE COUNT: 00189

... Apple. Howard Nurse showed us how it could capture and display an image from a **TV** camera (b & w or color), **send** and receive an image over telephone lines in eight seconds using the dithering process developed...

34/3,K/15 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.

02066355 SUPPLIER NUMBER: 06160612
386 operating environments. (Cover Suite: OS-2 Alternatives) (Software Review) (includes related article on virtual machines on the 80386 microprocessor) (evaluation)
McNierney, Ed
PC Tech Journal, v6, n1, p60(11)
Jan, 1988
DOCUMENT TYPE: evaluation ISSN: 0738-0194 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 5840 LINE COUNT: 00579

... The calculator and notepad operate on information obtained from windows using DESQview's Mark-and- **Transfer** feature.
DESQview can **display** graphics and text windows on the screen simultaneously. When the active window is in graphics...

34/3,K/16 (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text

03813029 H.W. WILSON RECORD NUMBER: BGSI98063029 (USE FORMAT 7 FOR FULLTEXT)
Beating the tempest.
AUGMENTED TITLE: software to defeat electronic eavesdropping of computer monitors
Grossman, Wendy M
Scientific American (Sci Am) v. 279 no6 (Dec. '98) p. 44-5
SPECIAL FEATURES: il ISSN: 0036-8733
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 671

...ABSTRACT: fonts unreadable to the eavesdropping receiver. A second prototype capitalizes on a display technique called **dithering** to program the **computer** to **transmit** a different signal from the one that actually appears on the screen.

34/3,K/17 (Item 1 from file: 141)
DIALOG(R)File 141:Readers Guide
(c) 2004 The HW Wilson Co. All rts. reserv.

03833994 H.W. WILSON RECORD NUMBER: BRGA98083994 (USE FORMAT 7 FOR FULLTEXT)
Beating the Tempest.
Grossman, Wendy, 1954-
Scientific American v. 279 no6 (Dec. 1998) p. 44-5
WORD COUNT: 671

...ABSTRACT: fonts unreadable to the eavesdropping receiver. A second prototype capitalizes on a display technique called **dithering** to program the **computer** to **transmit** a different signal from the one that actually appears on the screen.

34/3,K/18 (Item 2 from file: 141)
DIALOG(R)File 141:Readers Guide
(c) 2004 The HW Wilson Co. All rts. reserv.

02308580 H.W. WILSON RECORD NUMBER: BRGA92058580
While Bosnia suffers.
Time (Time) v. 140 (Dec. 7 '92) p. 25

...ABSTRACT: been violated more than 100 times, reports a UN commander. The Security Council has approved **sending monitors** to Macedonia, and President Bush urged that they be sent to neighboring Kosovo as well.

34/3,K/19 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09186800 SUPPLIER NUMBER: 18995973 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Taming technology. (using electronic media as marketing tools) (includes related articles on the proper use of kiosks, CD-ROM and the Internet in marketing)
Kreitzberg, Charles
Food & Beverage Marketing, v15, n11, p24(2)

Nov, 1996
ISSN: 0731-3799 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2097 LINE COUNT: 00161

... many as millions. The larger the choice of colors, the more data that must be **transmitted** over the Web. Skilled **computer** artists can create art using large color palettes and then use special computer programs to...

34/3,K/20 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07867914 SUPPLIER NUMBER: 16885109 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Video overlays turn PCs into TVs.
Gallant, John
EDN, v40, n9, p67(6)
April 27, 1995
ISSN: 0012-7515 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2834 LINE COUNT: 00225

... has decompressed. The chip acts as a master on the PCI bus for fast block **transfers** to the **screen** . Proprietary Accu-Video dithering technology operates on 8-bit stored data to produce images having...

34/3,K/21 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05756087 SUPPLIER NUMBER: 11760230 (USE FORMAT 7 OR 9 FOR FULL TEXT)
LASERTECHNICS PLANS TO ACQUIRE EQUITY POSITION IN PRINTIS SARL
PR Newswire, 0129A4649
Jan 29, 1992
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 364 LINE COUNT: 00031

... StarBurst is the only printer capable of producing continuous tone images using Dye Diffusion Thermal **Transfer** (D2T2) mode or **dithered** images utilizing the Thermal Wax **Transfer** (TWT) mode. StarBurst has multiple applications across a wide range of image processing markets including...

34/3,K/22 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05087045 SUPPLIER NUMBER: 09754277 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Output options for artists; fine artists cope with today's output technology.
LeWinter, Renee; Baron, Cynthia
Computer Graphics World, v14, n1, p34(6)
Jan, 1991
ISSN: 0271-4159 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2984 LINE COUNT: 00235

... holds hue surprisingly well, given that it works with only seven

colors and depends on **dithering** .
All thermal **transfer** print-outs share some significant drawbacks. Fingernails can easily scratch their waxy surface, which does...

34/3,K/23 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04836176 SUPPLIER NUMBER: 09589189 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Lasertechnics introduces high-resolution color digital imaging system. (Starburst Dual Mode Color Printer) (product announcement)
PR Newswire, 1112NY073X
Nov 12, 1990
DOCUMENT TYPE: product announcement LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 626 LINE COUNT: 00053

... printer on the market capable of producing continuous tone images using the Dye Diffusion Thermal **Transfer** (D2T2) mode, or **dithered** images utilizing the Thermal Wax **Transfer** (TWT) mode. This offers the advantage of superior image quality for specific color hardcopy requirements...

34/3,K/24 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

03926748 SUPPLIER NUMBER: 07386960 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Macs, scanners help to upgrade AWACS manuals. (Apple Macintosh; Airborne Warning and Control System; GCN Spotlight: Desktop Graphics)
Barron, Donna
Government Computer News, v8, n13, p57(1)
June 26, 1989
ISSN: 0738-4300 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 829 LINE COUNT: 00065

... that is reduced, enlarged or printed on a higher-resolution device.
Rather than doing the **dithering** itself, the gray-scale scanner **sends** gray-level information to the **computer** . Printed output can the be dithered on the fly to accommodate the printer resolution.

34/3,K/25 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

01494387
VISION RESEARCH ANNOUNCES 300-DOTS-PER-INCH IMAGE SCANNING AND PAGE COMPOSITION SYSTEM FOR IBM PC AT $2495 SUGGESTED RETAIL.
NEWS RELEASE March 31, 1986 p. 12

... with pull-dwon menus, icons, operation windows and dialog boxes MegaFreeze (option) -electronic snapshot utility **transfers screen** images to MegaBuffer -holds up to 64 different snapshots at once -user can select: regular...

34/3,K/26 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01839505 SUPPLIER NUMBER: 17399809 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Lab test: colour printers. (reviews of 14 color printers) (Hardware Review) (Evaluation)
PC User, n255, p89(12)
March 22, 1995
DOCUMENT TYPE: Evaluation ISSN: 0263-5720 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 8390 LINE COUNT: 00665

... on special paper with pages that have been printed on ordinary paper.
The thermal wax **transfer** printers **displayed** more consistent print quality than the inkjets, but dithering, or halftoning, are clear to the...

34/3,K/27 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01790180 SUPPLIER NUMBER: 16206389 (USE FORMAT 7 OR 9 FOR FULL TEXT)
LapLink gets top marks in Windows. (file transfer and remote control communications software from Traveling Software) (Software Review) (Evaluation)
Gann, Roger
PC User, n243, p75(2)
Sep 21, 1994
DOCUMENT TYPE: Evaluation ISSN: 0263-5720 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1632 LINE COUNT: 00127

... tricks to squeeze out the last drop of screen performance, things like object cacheing or **transmitting** only the elements of the **screen** that changed. As a result, screen handling is very good. If the host screen's...

34/3,K/28 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01690569 SUPPLIER NUMBER: 15578863 (USE FORMAT 7 OR 9 FOR FULL TEXT)
BBS Expo in review: a new generation of BBS software, plus some hot boards. (Paragon Technologies' DarkStar 1.02a BBS software) (Treading the Boards) (Column) (Software Review) (Evaluation)
Fowler, Dennis
Computer Shopper, v14, n8, p612(2)
August, 1994
DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2073 LINE COUNT: 00152

...ABSTRACT: 1.02a is a good software package for users who want to start their own **computer** BBSs. The software **transfers** icons and graphic

screens to new users in real-time so they do not have to log-off to...

34/3,K/29 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01689298 SUPPLIER NUMBER: 16064162 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Video as data: challenge at the leading edge. (Silicon Graphics Inc's Indy video subsystem for multimedia applications) (includes a related article on how the Indy video subsystem works) (Design Strategies: Multimedia Systems)
Mendelsohn, Alex
Computer Design, v33, n7, p96(4)
June, 1994
ISSN: 0010-4566 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2816 LINE COUNT: 00212

... space converts them before a DMA cycle to system memory. From system DRAM, pixels are **transferred** to a graphics subsystem for **display** . Data is saved in both industry-standard RGB and YUV video formats. Optional clipping, decimation...

34/3,K/30 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01598397 SUPPLIER NUMBER: 13740864 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Unconventional multidimension: Devcom's Fax software solution turns your computer into a lean, mean office machine. (Software Review) (FaxFX facsimile software) (Evaluation)
Uitti, Steve
MIDRANGE Systems, v6, n8, p37(2)
April 27, 1993
DOCUMENT TYPE: Evaluation ISSN: 1041-8237 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1582 LINE COUNT: 00118

... Labs tested FaxFX, the commands and data for sending a fax were typed on the **screen** . The **transmitted** fax came out clear and sharp on the receiving fax machine. The output consisted of...

34/3,K/31 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01053379 SUPPLIER NUMBER: 00645025
How Better Color Media Are Being Developed for New Thermal Transfer Printing Methods.
Seto, T.
Office Equipment & Products, v13, n73, p28-31
Nov., 1984
ISSN: 0387-5245 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: and optical reflection density (OD), tables give the chemical composition of thermal fusion and subtractive **transfer** ink, and a print

sample **displays** sixty-four gradation levels.

34/3,K/32 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2004 ProQuest. All rts. reserv.

04118925 (USE FORMAT 7 OR 9 FOR FULLTEXT)
High-resolution lidar measurements of stratosphere-troposphere exchange
Eisele, H; Scheel, H E; Sladkovic, R; Trickl, T
Journal of the Atmospheric Sciences (IJAT), v56 n2, p319-330, p.12
Jan 15, 1999
ISSN: 0022-4928 JOURNAL CODE: IJAT
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6852

TEXT:
... results from analog signal recording.
The data acquisition is controlled by a central 486 personal **computer** (PC). This PC **sends** commands to the laser PC, the transient digitizers, the photon-counting system, and the offset...

34/3,K/33 (Item 1 from file: 608)
DIALOG(R)File 608:KR/T Bus.News.
(c)2004 Knight Ridder/Tribune Bus News. All rts. reserv.

06576949 (USE FORMAT 7 OR 9 FOR FULLTEXT)
The State, Columbia, S.C., First Bytes Column
Charlie Paschal
The State Columbia S C
August 03, 1998
DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH
WORD COUNT: 1002

...TEXT: and jpgs that you can buy and use on your site.
Are you a beginning **computer** user? Have questions? **Send** them to Charlie Paschal at P.O. Box 1333, Columbia, S.C. 29202. Or fax...

34/3,K/34 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

04981449 Supplier Number: 74408241 (USE FORMAT 7 FOR FULLTEXT)
Sony`s new VAIO is an ultra-portable desktop replacement.
M2 Presswire, pNA
May 10, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1081

... and still capture), PictureToy (digital image manipulation), MovieShaker (personal movie editing), Smart Connect and SmartConnect **Monitor** (i.LINK data **transfer**), PowerPanel (Power Management profile), SonyNotebook Setup (notebook configuration), Jog Dial Utility (Jog Dial configuration), Visual...

34/3,K/35 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire

0340686 NY070
LASERTECHNICS ANNOUNCES COLLABORATION WITH FRENCH CONCERN PRINTIS SARL TO ASSIST IN DEVELOPMENT OF COLOR IMAGING SYSTEM

DATE: January 31, 1991 14:57 EST WORD COUNT: 593

...continuous-tone images using the Dye Diffusion Thermal Transfer (D2T2) mode, or a variety of **dith**ered images utilizing the Direct Thermal **Transfer** /Thermal Wax Transfer (D1T2) mode. StarBurst offers this unique feature of dual capability by simply...

36/3,K/1 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04641355 SUPPLIER NUMBER: 08655432
Accuracy of color printers is improving. (color xerographic printers)
Coale, Kristi
InfoWorld, v12, n29, p21(1)
July 16, 1990
ISSN: 0199-6649 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: all the color layers and then transfers them to the paper. Color laser printers use **screen** angling algorithms for **halftone rendering** , while thermal **transfer** printers simulate variable dot sizes by printing dots in groups.

36/3,K/2 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01334448 SUPPLIER NUMBER: 08655432
Accuracy of color printers is improving. (color xerographic printers)
Coale, Kristi
InfoWorld, v12, n29, p21(1)
July 16, 1990
ISSN: 0199-6649 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: all the color layers and then transfers them to the paper. Color laser printers use **screen** angling algorithms for **halftone rendering** , while thermal **transfer** printers simulate variable dot sizes by printing dots in groups.

41/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01322000 99-71396
DataTimes sold
Rosenberg, Jim
Editor & Publisher v129n44 PP: 22 Nov 2, 1996
ISSN: 0013-094X JRNL CODE: EDP
WORD COUNT: 531

...TEXT: partnership with plans next year to offer PGI's Dry Tech film and laser ablation **transfer** technology for GSC **computer** -to-plate and **halftone** digital color proofing and imagesetting equipment.

Escher-Grad Technologies Inc., Montreal, reached agreement with Polychrome ...

41/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01200654 98-50049
Global on-demand delivery--on paper
Rosenberg, Jim
Editor & Publisher v129n15 PP: 40-42+ Apr 13, 1996
ISSN: 0013-094X JRNL CODE: EDP
WORD COUNT: 2214

...TEXT: equals the quality of the PostScript input.

Among PostScript capabilities now absent, Amber will support **halftone screens** , vector graphics, **transfer** functions, OPI comments, overprints, black generation; undercover removal, separation color spaces, display of PostScript patterns...

41/3,K/3 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00049368 77-01684
EDITORS GAIN TOTAL CONTROL OVER PAGE COMPOSITION TO REMOTE POINTS
PRINTING VIEWS V42 N12 PP: 18-19 DEC. 1976
ISSN: 0030-8439 JRNL CODE: PVW

...ABSTRACT: IN FEBRUARY, THE MAGAZINE WILL HAVE THE WORLD'S FIRST SYSTEM TO CONVERT PHOTOS TO **SCREENED HALF TONES** AND THEN ELECTRONICALLY **TRANSMIT** DATA TO OTHER LOCATIONS FOR LATER COMPOSITION. COSTS SHOULD BE SUBSTANTIALLY REDUCED AS NEW PHOTOGRAPHS...

41/3,K/4 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04603023 Supplier Number: 46770259 (USE FORMAT 7 FOR FULLTEXT)

Polaroid Graphics Imaging and Gerber Systems Form Strategic Partnership for Dry Prepress Products
PR Newswire, p1002NEW011
Oct 2, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 355

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...prepress products including Polaroid's Dry Tech Imagesetting Film and Polaroid's patented Laser Ablation **Transfer** Technology for **computer** -to-plate and direct **halftone** digital color proofing applications.

41/3,K/5 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03416110 Supplier Number: 44752892 (USE FORMAT 7 FOR FULLTEXT)
DCA ADDS FAX TO THE LATEST VERSION OF CROSSTALK FOR WINDOWS
News Release, pN/A
June 13, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 975

... from
the control menu.
Other features of Crossfax allow users to fax color bitmaps as **halftone** images, **monitor** the progress of the fax **send** or receive
in process, maintain a complete log of faxing activities, as well as view...

41/3,K/6 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
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05443959 SUPPLIER NUMBER: 20623753 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Get Prepress-Ready PDFs from QuarkXPress.(Adobe Systems' Acrobat 3.0) (Product Support)
Beale, Stephen
Macworld, v15, n6, p101(1)
June, 1998
ISSN: 0741-8647 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1499 LINE COUNT: 00120

... Convert CMYK Images to RGB option.
C. Select Preserve OPI Comments, Preserve Overprint settings, Preserve **Halftone Screen** Information, Preserve **Transfer** Functions, and Preserve Under Color Removal/Black Generation. These settings let you retain the prepress...

41/3,K/7 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

07650464 SUPPLIER NUMBER: 16014831 (USE FORMAT 7 OR 9 FOR FULL TEXT)
XPress: PPC vs. Pentium. (DTP performance comparison on Apple Macintosh PowerMac 8100/110 and Micron 90MHz Pentium system) (Evaluation) (Hardware Review) (Brief Article)
Coleman, Dale
MacWEEK, v9, n2, p20(1)
Jan 9, 1995
DOCUMENT TYPE: Brief Article ISSN: 0892-8118 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 166 LINE COUNT: 00011

... text file generated with WordPerfect for Macintosh 3.1. The picture was an EPS file (**halftone screen** and **transfer** function not included). The Windows image file was 14.5 Mbytes, while the Mac file...

41/3,K/8 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04641355 SUPPLIER NUMBER: 08655432
Accuracy of color printers is improving. (color xerographic printers)
Coale, Kristi
InfoWorld, v12, n29, p21(1)
July 16, 1990
ISSN: 0199-6649 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: all the color layers and then transfers them to the paper. Color laser printers use **screen** angling algorithms for **halftone** rendering, while thermal **transfer** printers simulate variable dot sizes by printing dots in groups.

41/3,K/9 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04566882 SUPPLIER NUMBER: 08460194 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Desktop color separations: a dizzying array of choices. (Macintosh Graphic **Arts)**
Hannaford, Steve
MacWEEK, v4, n20, p34(4)
May 22, 1990
ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1478 LINE COUNT: 00119

... said Earl Wyllie, owner of the Dessie service bureau in Montreal. "We check all the **screens** and **transfers** (**halftoning** parameters that can be set by the user) and recommend changes to the designers," he...

41/3,K/10 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

02206427

NEW MONOTEX PLUS - HIGH TOLERANCE MESH
News Release April 27, 1989 p. 1

... Supply Co. introduces Monotex Plus, a new, monofilament polyester mesh, designed to meet the highest **screen** printing demands including fine **halftones** , electronic circuits and ceramic **transfers** . Monotex Plus displays controlled extension of threads in both the warp and the weft, allowing...

41/3,K/11 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

00395452
Muirhead Data Communications' new development in plate making and facsimile transmission is the flat bed laser Pagefax system.
News Release (for further information apply to company indexed) November 8, 1977 p. 1-31

.... pasteup drop out completely. Resolution to 1000 lines/inch in both directions is enough to **transmit** 100 line **halftone screensP** The advantages of speed and economy, from eliminating several production steps, make the system practical...

41/3,K/12 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01697726 SUPPLIER NUMBER: 16213262 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Apple's System 7.5 makes debut; Power Macs everywhere at Macworld. (Macworld Expo 1994)
Dyson, Peter E.; Karsh, Arlene E.
Seybold Report on Desktop Publishing, v8, n12, p14(5)
August 15, 1994
ISSN: 0889-9762 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4780 LINE COUNT: 00370

... 16.7 million colors. The dye-sub unit outputs continuous-tone images and the thermal **transfer** produces **screened halftones** . * Expandable ram (a maximum of 136 mb) to handle virtually any current processing requirements. * Flexible...

41/3,K/13 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01439591 SUPPLIER NUMBER: 10975522 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Image processing: part 3: displaying and printing images using halftoning. (tutorial)
Phillips, Dwayne
C Users Journal, v9, n6, p89(16)
June, 1991
DOCUMENT TYPE: tutorial ISSN: 0898-9788 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2130 LINE COUNT: 00155

... in image array values to ones and zeros instead of displaying the pixels on the **screen** . The last statement of the **halftone** function **sends** the 1-0 image array to the function print...

41/3,K/14 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01437455 SUPPLIER NUMBER: 10917028 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Medium-resolution PostScript printers, part III: Hyphen, Monotype, NewGen. (Hypen Inc.'s Dash 600, Monotype Corporation PLC's PaperMaster Plus and NewGen Systems Corp.'s TurboPS/480) (Hardware Review)
Joss, Molly W.
Seybold Report on Desktop Publishing, v5, n10, p15(12)
June 17, 1991
ISSN: 0889-9762 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 3912 LINE COUNT: 00298

... final output time.
OPI gives you the opportunity to rasterize complex page elements (such as **halftones** or **display** ads) before you **send** the rest of the page. The prerasterized elements are then merged with the others at...

43/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

10430182 (USE FORMAT 7 OR 9 FOR FULLTEXT)
ABB Has Signed With Lesotho Steel As The Sub-Contractor
MOPHEME / THE SURVIVOR
April 05, 2000
JOURNAL CODE: FMTS LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1343

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of seats per party is exactly the same as allocation according to pure 100% proportional **representation** **initially** suggested by Setlamo before the arbitration.
Example: Total allocation of seats in parliament according to...

43/3,K/2 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

05995770 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Lesotho: Tom Rejects Arrest Claims
MOPHEME / THE SURVIVOR
June 29, 1999
JOURNAL CODE: FMTS LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 409

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... that regard.
Other issues discussed were the electoral model with the LCD opting for proportional **representation** with the **first** pass the pole mix, while the party were fully backing the 100 per cent proportional...

43/3,K/3 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

05787589 SUPPLIER NUMBER: 75162343
Particle Simulation of Dust Structures in Plasmas.
Joyce, Glenn; Lampe, Martin; Ganguli, Gurudas
IEEE Transactions on Plasma Science, 29, 2, 238
April, 2001
ISSN: 0093-3813 LANGUAGE: English RECORD TYPE: Abstract

AUTHOR ABSTRACT: In the earth's gravity, the dust in **plasmas** can form into a solid-like state in the **plasma** sheath. These ordered structures occur due to the balance of the interparticle forces, the gravitational...

...have developed a particle simulation model to study the behavior of strongly coupled dust in **plasmas** under conditions of normal gravity and microgravity. The model includes a complete **first** -principles **representation** of the short-range strong forces of a shielded Coulomb system, as well as the long-range wake forces of a **plasma** with the ions

streaming through the dust. The effects of charged particle scattering with neutrals and with other charges are included. Magnetic fields in the **plasma** may also be incorporated in the model.
Index Terms--Dusty plasmas, particle simulation, strongly coupled...

43/3,K/4 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

09436961 SUPPLIER NUMBER: 19328992 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Invasion force. (Canadian entries to Nepcon 1997) (ReportNEPCON)
Bush, Steve
Electronics Weekly, n1804, p26(1)
March 12, 1997
ISSN: 0013-5224 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 575 LINE COUNT: 00046

...ABSTRACT: technologies are IMI Marston's Coldcube, Kestronic's Dat-400s data terminal and Dycostrate's **plasma** etched printed circuit board technology,

43/3,K/5 (Item 1 from file: 620)
DIALOG(R)File 620:EIU:Viewswire

3005152
Lesotho: Country Update
COUNTRY: LESOTHO
JOURNAL: EIU ViewsWire - February 19, 1999
WORD COUNT: 445

...but South Africa will be forced to remain closely involved in the country. The ruling **LCD** will try to recover from the September intervention in time for the poll. The opposition...

...concentrate their efforts on changing the constitution to introduce a new electoral system, with proportional **representation** replacing the **first** -past-the-post system. Reform of the military will remain an important, if tense, issue...